

# Electric Line Clearance Plan 2024/25

Version	Prepared By	Approved by	Issue Date
1.0	Manager City Works	General Manager Infrastructure and Environment	31/03/2024
2.0	Manager City Works	General Manager Infrastructure and Environment	12/07/2024
Ref #	F22/683		

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### Definitions

CFA – Country Fire Authority

**Code** – Code of Practice for Electric Line Clearance as defined in the Schedule of the Electricity Safety (Electric Line Clearance) Regulations 2020.

**Declared Area** – The area of the municipality where vegetation management around powerlines is the responsibility of City of Yarra.

**DEECA** - Department of Energy, Environment and Climate Action

**ESV** – Energy Safe Victoria

**LBRA** – Low Bushfire Risk Area - 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.

Plan – City of Yarra Electric Line Clearance Management Plan

Regulations - Electricity Safety (Electric Line Clearance) Regulations 2020.

The Act – Electricity Safety Act 1998

### **Regulation 9(2) Preparation of a Management Plan**

### The following sections are in response to Regulation 9(2) – Preparation of a Management Plan, Part 2 of the Electricity Safety (Electric Line Clearance) Regulations 2020.

City of Yarra is a Responsible Person required to prepare an Electric Line Clearance Management Plan for the purpose of the Regulations. This document is prepared in accordance with Section 9 of the Regulations.

City of Yarra, Manager City Works and Coordinator Open Space Services or delegated authority will review and amend this Plan annually. The amended document will be approved by the General Manager Infrastructure and Environment by the 31st of March each year.

The review will include a review of all processes and procedures and their effectiveness in meeting the plan objectives.

When the revised annual Plan is completed, Council will upload the Plan to the website and at the same time, remove the superseded Plan.

City of Yarra, Coordinator Open Space Services will submit the Plan within 14 days of a request.

#### **Regulation 9(4) Preparation of a Management Plan**

The following sections are as per Regulation 9(4) of the Electricity Safety (Electric Line Clearance) Regulations 2020

#### (a) Name, address and telephone number of the City of Yarra

Name:	City of Yarra
Address:	333 Bridge Road, Richmond Victoria 3121
Telephone No:	(03) 9205 5555
Facsimile No:	(03) 8417 6666
Name of Chief Executive Officer:	Sue Wilkinson

## (b) Name, position, address and telephone number of the individual who was responsible for the preparation of the management plan

Name:	Sam Hewett
Position:	General Manager Infrastructure and Environment
Address:	333 Bridge Road, Richmond Victoria 3121
Telephone No:	(03) 9205 5555
Email Address:	info@yarracity.vic.gov.au

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

Name:	Brett Grambau
Position:	Manager City Works
Address:	333 Bridge Road, Richmond Victoria 3121
Telephone No:	(03) 9205 5555
Email Address:	info@yarracity.vic.gov.au
And	
Name:	Glen Williames
Position:	Coordinator Open Space Services
Address:	333 Bridge Road, Richmond Victoria 3121
Telephone No:	(03) 9205 5555
Email Address:	info@yarracity.vic.gov.au

(d) The telephone number of a person who can be contacted in an emergency that requires clearance of an electric line that the City of Yarra is required to keep clear of trees

Business Hours	
Name:	Customer Service
Emergency Telephone No:	(03) 9205 5555
After Hours	
Name:	After Hours Service
Emergency Telephone No:	(03) 9205 5555

Blyumbarr.

Signed: Brett Grambau, Manager City Works Date: 11/7/2024

Signed:

Sam Hewett, General Manager Infrastructure and Environment Date: 11/7/24

### (e) The objectives of the management plan

- To maintain public and electrical safety.
- To comply with the Regulations and Code, whilst protecting areas of important vegetation as identified in the Plan.
- To minimise fire starts that may occur due to contact between vegetation and the electricity network.
- To assist in the provision of reliable electrical supply.
- To provide a safe working place for employees and contractors.
- To manage vegetation in a manner that maximises the amenity and environmental benefits.
- To protect areas of important vegetation which may be deemed as such on the basis of those areas listed in a planning scheme to be of ecological, historical or aesthetic significance or trees of cultural or environmental significance.
- To maintain community satisfaction with the manner in which the necessary works are carried out.
- To continuously improve the Plan and its implementation through the use of measurable KPI's as defined in Clause 9(4)m

### (f) The land to which the management plan applies (as indicated on a map)

The City of Yarra municipality is located in the inner eastern and northern suburbs of Melbourne and encompasses approximately 19.5 square kilometres.

The entire City of Yarra is a Declared Area that contains spans of both low and high voltage conductors. The City of Yarra has information on electrical assets incorporated into the organisation's GIS system.

The Bushfire Risk Area Boundary information is reviewed in consultation with the CFA. This process occurs every 12 months with the preparation of the Plan.

# (g) Any hazardous bushfire risk areas and low bushfire risk areas in the land referred to in paragraph (f) (as indicated on the map)

No part of the Declared Area is designated HBRA by the CFA. A map of the Declared Area is contained in Appendix 1 - Map of City of Yarra.

# (h) Each area that the responsible person knows contains a tree that the responsible person may need to cut or remove to ensure compliance with the Code and that is:

#### Indigenous to Victoria

A list of species can be found at Appendix 2.1 - Indigenous Trees

The City of Yarra maintains a tree inventory that identifies the location and species of each tree. To ensure the trees are identified correctly the City of Yarra utilises a suitably qualified arborist for inspections who are able to identify the relevant species.

### Listed in a planning scheme to be of ecological, historical or aesthetic significance

The Planning Scheme within the City of Yarra Planning Scheme lists 11 sites where tree controls apply, and a permit is required to remove, destroy or lop a tree. The list of trees/sites is contained in *Appendix 2.2 – Heritage Trees and Properties* which identifies seven (7) trees managed by Council and (4) trees managed by the network operator.

A heritage overlay permit exemption is listed for any action which is necessary to keep the whole or any part of a tree clear of an electric line provided the action is carried out in accordance with a code of practice prepared under Section 86 of the Act. Pruning is still required to be compliant with this Plan.

#### Trees of cultural or environmental significance

At present the City of Yarra is not aware of any threatened flora or fauna which may be affected by the implementation of this Plan. If any such situations are identified, they will be reviewed and listed in future issues of the plan.

The City of Yarra is not aware of any trees located in the City of Yarra that are listed on the Aboriginal Tree Register and affected by this Plan.

The City of Yarra maintains a Significant Tree Register for trees nominated by the community as being of cultural significance. The full list can be found at <a href="https://www.yarracity.vic.gov.au/services/cleaning-and-maintenance/trees/significant-trees">https://www.yarracity.vic.gov.au/services/cleaning-and-maintenance/trees/significant-trees</a>,

The 144 Significant Trees on Council owned or managed land to which the Plan may be applicable are listed in *Appendix 2.3 – Trees of horticultural, aesthetic, historical, environmental, social or cultural significance.* 

As part of the preparation for the Plan, the City of Yarra will consult with all relevant bodies and standards to ensure all organisational procedures are current.

# (i) The means which the City of Yarra is required to use to identify a tree specified in paragraph (h)(i), (ii) or (iii)

The City of Yarra should consult:

Table 1 – References

Importance or location of:	Organisation / Publication	Method
Native trees	The City of Yarra	Refer to Appendix 2.1 – Indigenous Trees
Native flora and fauna	Threatened Species Advisory Lists	Reference to the State Threatened Species Advisory Lists <u>https://www.environment.vic.gov.au/conserving-threatened-</u> <u>species/threatened-list</u> This includes species listed under the Federal EPBC and State FFG Acts.
Heritage Trees	The City of Yarra	Refer to Appendix 2.2 – Heritage Trees and Properties
Planning scheme	Dept of Transport and Planning	https://planning-schemes.app.planning.vic.gov.au/Yarra/ordinance

Importance or location of:	Organisation / Publication	Method
Heritage Trees	National Trust	National Trust Significant Tree Register <u>http://trusttrees.org.au/</u>
Heritage Trees	The Victorian Heritage Database	http://vhd.heritage.vic.gov.au/vhd/heritagevic
Cultural	First Peoples - State Relations	Cultural Heritage Sensitivity map https://achris.vic.gov.au/#/onlinemap
Cultural	The City of Yarra	Refer to Appendix 2.3 – Trees of horticultural, aesthetic, historical, environmental, social or cultural significance.

The City of Yarra will also seek specialist advice (where necessary) to determine if any species (or habitat thereof) or communities on the threatened flora or fauna advisory lists or listed under the Flora and Fauna Guarantee Act 1998 are endangered by works to prune or remove trees.

The City of Yarra will inform employees, contractors, and other agencies involved in electrical line clearance works, of the location of trees within the municipality that are known to have ecological, historic, aesthetic, cultural or environmental significance. A copy of the Plan and this information will be provided annually.

The City of Yarra will also continue to work with relevant agencies to ensure the aesthetics and viability of significant trees are not compromised by line clearance works.

As part of the preparation for the Plan, the City of Yarra will consult with all relevant bodies and standards to ensure all organisational procedures are current.

# (j) The management procedures that the City of Yarra is required to adopt to ensure compliance with the Code, which must:

## I. Include details of the methods to be adopted for managing trees and maintaining a minimum clearance space as required by the Code:

The City of Yarra has an estimated 24,500 street trees, with an estimated 2,577 near power lines that may require clearance pruning. These trees are recorded in the tree database.

The City of Yarra manages the trees through a combination of a cyclic program, reactive maintenance works and tree removals.

**The Cyclic Program** consists of an annual inspection of all trees within the vicinity of high voltage power lines, and a biennial inspection of all remaining trees.

The City of Yarra is divided into ten (10) blocks defined by suburb boundaries, with each block being completed within eight (8) weeks.

- All trees under or adjacent to power lines are to be inspected as part of the cyclic pruning program.
- All inspections are to be completed by a suitably qualified arborist.
- Works identified during inspection are completed within ten (10) weeks.

- Where pruning is required, the extent of pruning will maintain the minimum clearance space (*Appendix 3 Applicable distance for middle two thirds of a span of an electric line*) and provide additional clearance as necessary to prevent regrowth from entering the minimum clearance space between pruning cycles and manage the sag and sway of electrical conductors for spans greater than 45 meters in length.
- Works are initially focussed on achieving High Voltage clearances and additional contractor resources will be engaged to undertake live line pruning where required.
- Each tree within the zone program is inspected and pruned at a frequency where regrowth can be easily maintained, therefore it is unnecessary to record regrowth data.
- All works and condition assessments are recorded in the Council's database Forestree.
- A quality audit of trees is undertaken by a suitably qualified arborist or delegated officer for each completed block to ensure compliance with the Regulations and AS 4373-2007 (see *Appendix 5 Example of Cyclic Pruning Block Audit Forms*). The completion audit includes assessing an allowance for regrowth for the length of the pruning cycle.

**Reactive maintenance works** occur where trees are identified as being non-compliant outside the normal maintenance regime. These trees can be reported to 03 9205 5555, and then referred to a suitably qualified arborist or delegated officer for assessment of work requirements and allocation to City of Yarra's current contractor.

- Non-urgent reactive works are to be completed within fifteen (15) business days of the works being allocated, unless another timeframe is determined by a suitably qualified 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 as soon as is practicable, depending on the situation. Additional works will be scheduled as required.
- All works are recorded in the City of Yarra's document management system.
- Trees will be pruned to the minimum clearances outlined in the Regulations. All pruning should conform to AS 4373-2007 pruning of amenity trees as far as practicable. If this is not possible the tree shall be referred to a suitably qualified arborist for alternative management solutions as per Section 9(4)(k) of the Plan.

**Proactive tree removals** of unsuitable tree species will occur when a suitably qualified arborist has determined a tree cannot be managed to comply with the Code, is not eligible for an exception 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,
- A suitably qualified 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.
- Community notification is undertaken regarding the removal of the tree.
- Works are programmed as per the reactive works process.
- Removal of tree and stump completed within four (4) weeks business days or in accordance with timelines required by network operator if a shutdown is required for safety.
- Actions recorded in the document management system
- If the site location is suitable, 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

**Tree Planting** will be undertaken near powerlines, if the site location is appropriate, and in accordance with the Urban Forest Strategy 2017. The Strategy acknowledges the limitation imposed by the need to maintain the minimum clearance space. Tree species to be planted will be selected by a suitably qualified arborist, or delegated officer, who will consider the species characteristics and site constraints to select a suitable species.

The Coordinator Open Space Services will consult with adjoining Councils, relevant Network Operator's and other key stakeholders as required to facilitate compliance with the Code.

Network Operators are responsible for organising regular meetings that the Coordinator Open Space Services or a delegated officer will attend. The City of Yarra expects a minimum of two meetings per year to be scheduled.

# II. Specify the method for determining an additional distance that allows for cable sag and sway.

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 3 – Applicable distance for middle two thirds of a span of an electric line*). The Declared Area contains no HBRA.

For spans greater than 100m in length the City of Yarra will contact the Network Operator to provide the required clearance distance to allow for sag and sway for the appropriate part of the electric line span. This information will be recorded against the affected tree and be available to operators in the field via tablets, for a minimum of five years.

- The City of Yarra will request data from the Network Operator regarding any spans greater than 100m in length.
- As this information is obtained the clearance requirement will be recorded in the City of Yarra document management system and used to inform management practices.

# (k) The procedures to be adopted if it is not practicable to comply with the requirements of AS 4373 while cutting a tree in accordance with the Code.

The City of Yarra requires all staff and contractors pruning trees within the municipality to comply with AS4373 Pruning of Amenity Trees (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, considering 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 must have adequate knowledge to determine the hazards risks,
- Ways of eliminating or minimising the risk must have adequate knowledge in relation to alternative measures,
- Are other resources or techniques available to complete works to the standard, and
- 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 a suitably qualified arborist or a delegated officer who holds a Certificate Level V or above in Arboriculture to make an assessment on whether or not it is reasonably practicable to deviate from AS4373.

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

- Referencing the standard in its internal guidelines,
- Referencing the standard in tender documents for contractors,
- Including the City of Yarra's definition of 'reasonably practicable' in contractor induction.
- Ensuring contractors undertaking electric line clearance work have, at a minimum:
  - Certificate Level III in Horticulture and Arboriculture,
  - $\circ$  ~ Certificate Level II in ESI Power line Vegetation Control, and
  - 3 years industry experience that demonstrates understanding of AS 4373 (See Appendix 6 Skills Report).

Where pruning to achieve clearance will not allow compliance with AS4373, the City of Yarra 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, or
- Remove trees where the tree is of low retention value, or the resulting pruning would leave trees unsuitable for retention and council have exhausted all other options (including undergrounding).

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 trees are to be removed all residents within five (5) properties either side of the tree and ten (10) properties opposite will be notified either by letter drop and/or via a sign posted on the tree informing them of the removal will occur within ten (10) days of notification. Resident will then have the opportunity to contact Council to discuss the proposed removal and any contact made by residents will be resolved prior to removal taking place.

The process for selection of appropriate plant and equipment involves the following considerations:

- Access to site,
- Voltage of overhead conductors equipment suitably insulated and tested,
- Proximity of vegetation to conductors,
- Configuration of equipment,
- Reach/ height of equipment, and
- Cutting tools proportional to material to be cut.

Once each of these points has been considered, the best fit for the task should be selected. Availability may also be a defining factor, where the best fit is not available other options may be considered, however must still be able to achieve acceptable pruning standards in a safe manner.

The City of Yarra conducts audits of the cyclic program to ensure compliance with AS4373 - 2007 and the Regulations

- Audits are conducted within thirty (30) days of zone completion and assesses 50% of the Cyclic Program and 20% of the Reactive Program,
- Quality of cuts, appropriateness of pruning, clearance requirements and post site cleanup are reviewed,
- Feedback via the audit results is provided to contractors,
- Any non-compliance identified through the post work audit process is reported to the Contractor within two (2) days of identification, and
- Remedial pruning will be required within fourteen (14) days of identification to achieve conformance unless otherwise agreed with a suitably qualified arborist.

As part of the preparation for the Plan, the City of Yarra will consult with all relevant bodies and standards to ensure all organisational procedures are current.

# (I) A description of each alternative compliance mechanism in respect of which the City of Yarra has applied, or proposed to apply, for approval under clause 31 of the Code.

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

### (m) The details of each approval for an alternative compliance mechanism that:

#### I. the responsible person holds, and.

No current approvals held.

#### II. Is in effect.

No current approval in effect.

# (n) A description of the measures that must be used to assess the performance of the City of Yarra under the management plan.

The City of Yarra and the Coordinator Open Space Services 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 Cyclic Program for pruning as per schedule,
- Completion of 50% audits of Cyclic Program in thirty (30) days,
- 100% compliance for zone audits,
- 100% of non-compliance rectified within fourteen (14) business days of notification,
- Hazards identified in contractor OHS inspections addressed within required timeline
- All contractor and staff training kept up to date

- Respond to all pruning requests from the Network Operator within the required timeline,
- Attend biannual meetings with relevant Network Operator managers,
- All Customer Service Requests received for electric line clearance responded to within ten (10) business days, 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 response timeframes for customer requests relating to powerlines,
- Compliance results from the Network Operator's (when supplied), and
- Reporting through document management system.

Results are reported via:

- Internal team meetings,
- Weekly contractor updates detailing % of block pruned,
- Monthly contract meetings, and
- Monthly reporting to Management

Reporting of KPI's is used to aid in:

- issuing of reworks 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.

### (o) Details of the audit processes that must be used to determine the City of Yarra's compliance with the Code

The Coordinator Open Space Services is responsible for several audits to verify compliance with the Code. These include:

- For each completed pruning block a quality audit of the entire block is undertaken by a suitably qualified arborist, or a delegated officer who is a suitably qualified arborist, to ensure compliance with:
  - the Regulations, and
  - o 9(4)k.
- A minimum of 1 Safety Audit per block is undertaken randomly on site by the Councils OH&S Auditor or delegated officers to ensure staff hold appropriate certification, equipment testing is up to date and safety measures are appropriate in the following areas:
  - Work Site Management
  - Quality of Works Performed
  - Operation and Condition of Vehicle
  - Tools and Equipment
  - Personal Protective Equipment
  - Work Practices
  - o Environmental

- Pre-works site checks are carried out and documented for record keeping by all 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.

Any identified non-compliance is reported to a suitably qualified arborist and to be rectified within fourteen (14) working days. Confirmation of rectification is to be provided in writing to a suitably qualified arborist and included in the monthly contract report. Contractors are required to provide a report in response to non-compliance relating to OH&S incidences identifying the cause for non-compliance and actions that will mitigate the cause in future works. Non-compliance relating to quality audits, and mitigating actions, are discussed and recorded in contractor meetings.

Results of audits are reported via:

- internal team meetings, and
- monthly contract meetings.

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

# (p) The qualifications and experience that the City of Yarra must require of the persons who are to carry out the inspection, cutting or removal of trees

Council's employees or contractors must be a qualified person as prescribed by the Electricity Safety (General) Regulations 2019 (specifically outlined in regulation 616) when undertaking tree clearing works, and comply with the minimum body and tool clearances and other requirements of:

- The 'Blue Book',
- Electrical Safety Rules for Vegetation Management Work Near Overhead Powerlines by Non-Electrical Workers,
- Any organisational procedures, safe work method statements and Job Safety Assessments to ensure the work can be completed safely.

The Contractor shall demonstrate to Council that all employees working on the Contract are appropriately authorised, qualified, trained by a Registered Training Organisation (RTO) and current, holding appropriate qualifications that legally entitle them to undertake the work, including all refresher training required to maintain currency.

A register of employee training is maintained on personnel files by the City of Yarra to ensure all staff have appropriate and current qualifications (*Appendix 6 – Skills Report*).

To ensure staff are aware of site and employee requirements new staff and contractors are subject to both internal & external induction processes and specific task related site safety assessments.

Any staff or contractor found on site without appropriate qualifications, training or experience to be excluded from the site immediately.

As part of the preparation for the Plan, the City of Yarra will consult with all relevant bodies and standards to ensure all organisational procedures are current.

A skills matrix for personnel working on Council's line clearance program is provided below.

For the purposes of the Code, a "suitably qualified arborist" is defined as, at a minimum, an Assessing Arborist role as detailed below.

Role	Qualification(s)	Other Licences / Training that may apply
Role Tree worker / cutter Tree pruning and removal near powerlines	UET20319 Certificate II in ESI – Powerline Vegetation Control Certificate III Arboriculture or equivalent	<ul> <li>All</li> <li>Safe Approach Distances – Vegetation Work</li> <li>Safe Approach Distances to SWER</li> <li>UETTDRRF10 Provide First Aid in an ESI environment</li> <li>HLTAID009 Provide cardiopulmonary resuscitation</li> <li>UETTDRVC33 Apply pruning techniques to vegetation control near live electrical apparatus</li> <li>FWPHAR2208 Operate a mobile chipper/mulcher</li> <li>AHCMOM213 Operate and maintain chainsaws or equivalent</li> <li>Chemical use and application</li> <li>TLID1001 Manual Handling Training</li> <li>Hearing conservation</li> <li>Appropriate vehicle licence (car/MR/HR)</li> <li>Appropriate accredited traffic management training.</li> </ul>
		<ul> <li>EWP Operator &amp; EWP Safety Observer additional</li> <li>TLILIC0005 Licence to operate a boom-type elevating work platform (boom length 11 metres or more</li> <li>UETTDRVC25 Use elevated platform to cut vegetation above ground level near live electrical apparatus</li> <li>UETTDRRF03 Perform EWP rescue</li> <li>Perform EWP controlled descent escape</li> </ul> Tree Climber & Climber Safety Observer additional <ul> <li>UETTDRVC21 Use climbing techniques to cut vegetation above ground near live electrical apparatus</li> <li>UETTDRVC21 Use climbing techniques to cut vegetation above ground near live electrical apparatus</li> <li>UETTDRVC34 Undertake release and rescue from a tree near live electrical apparatus</li> <li>AHCARB312 Use standard climbing technique to access trees</li> </ul>

Role	Qualification(s)	Other Licences / Training that may apply
Leader / Supervisor	UET20319 Certificate II in ESI – Powerline Vegetation Control	<ul> <li>As for Tree Worker, plus the following</li> <li>UETTDRVC24 Assess vegetation and recommend control measures in an ESI</li> </ul>
Tree pruning and removal near powerlines	Certificate III Arboriculture or equivalent	<ul> <li>environment</li> <li>Experienced and competent in the supervision of a large group of employees.</li> </ul>

### (q) Notification and consultation procedures.

Covered in schedules 15, 16, 17 and 18 of the Code.

#### (r) Dispute resolution procedures.

If a dispute arises during the process of consultation/negotiation between affected landowners and the Council, regarding proposed clearing/pruning/alternative construction activities the complaint 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 process of escalation is:

- Arborist,
- Coordinator Open Space Services,
- Manager City Works,
- General Manager Infrastructure and Environment,
- Chief Executive Officer,
- Energy Safe Victoria, then
- Energy and Water Ombudsman Victoria

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

Name:	Glen Williames
Title:	Coordinator Open Space Services
Telephone No:	(03) 9205 5555
Email:	info@yarracity.vic.gov.au

If the dispute cannot be resolved directly with the City of Yarra the person making the complaint will be referred to the Dispute Settlement Centre of Victoria 1300 372 888.

The procedure is specific to the Plan and will be available as part of the Plan and will be available for inspection as part of the Plan at the Council Offices and on Councils website as per Clause 10(7)

#### **Regulation 10 – Obligations relating to Management Plan**

(6) The Responsible Person must ensure that a copy of the current management plan is published on the responsible person's Internet site

A copy of the current City of Yarra Electric Line Clearance Management Plan will be published on the City of Yarra website in the section Powerlines and Trees at <u>https://www.yarracity.vic.gov.au/services/cleaning-and-maintenance/trees</u>.

### **Regulation 11 – Exemptions**

## (2) A Responsible Person who receives an exemption must comply with the conditions (if any) of the exemption.

The City of Yarra does not have an active exemption at this time.

### SCHEDULE 1 – CODE OF PRACTICE FOR ELECTRIC LINE CLEARANCE, PART 2 – CLEARANCE RESPONSIBILITIES, DIVISION 1 – ROLES OF CITY OF YARRAS

## 4 Exception to minimum clearance space for structural branches around insulated low voltage electric lines

The City of Yarra is in the process of identifying trees that meet the requirements for an exception as outlined in Part 2, Division 1, Clause 4(2) of Schedule 1 of the Code.

The process for exception to minimum clearance space for structural branches around insulated low voltage electric lines is

- A tree is identified that has structural branches within the minimum clearance space
- A suitably qualified arborist determines that:
  - the branch is greater than 130mm in diameter when it enters the minimum clearance space,
  - the branch is more than 150 millimetres from the line if the span distance is 40 metres or less,
  - the branch is more than 300 millimetres from the line if the span distance is greater than 40 metres,
  - the line is an insulated, low voltage cable, and
  - the branch does not have a visible structural defect that may cause the branch to fail and contact the electric line.
- A risk assessment of the tree and branch is undertaken in accordance with The City of Yarra Risk Methodology.
- Any risks identified are mitigated.
- A suitably qualified arborist:
  - registers in the tree data base Fulcrum, and
  - ensures the tree is noted in the annual proactive risk inspection program.

The process is managed by the Coordinator Open Space Services and all records are retained by the City of Yarra for a minimum of five years.

# 5 Exception to minimum clearance space for small branches around insulated low voltage electric lines

The City of Yarra is in the process of identifying trees that meet the requirements for an exception as outlined in Part 2, Division 1, Clause 5 of Schedule 1 of the Code.

The process for exception to minimum clearance space for small branches around insulated low voltage electric lines is

- A tree is identified that has small branches within the minimum clearance space
- A suitably qualified arborist determines that:
  - a branch is less than 10mm in diameter when it enters the minimum clearance space,
  - the line is an insulated, low voltage cable, and
  - Council's database confirms that the branch has been removed from the minimum clearance space within the last twelve months.

The process is managed by the Coordinator Open Space Services and all records are retained by the City of Yarra for a minimum of five years.

# 6 Exception to minimum clearance space for small branches around uninsulated low voltage electric lines in low bushfire risk areas

The City of Yarra is in the process of identifying trees that meet the requirements for an exception as outlined in Part 2, Division 1, Clause 6 of Schedule 1 of the Code.

The process for exception to minimum clearance space for small branches around uninsulated low voltage electric lines in LBRA is

- A tree is identified that has small branches within the minimum clearance space
- A suitably qualified arborist determines that:
  - the branch is <10mm in diameter when it enters the minimum clearance space,
  - $\circ$  the branch is no more than 500mm within the minimum clearance space,
  - $\circ$  the point at which the branch originates is below the height of the electric line.,
  - the line is an uninsulated, low voltage cable, and
    - the branch is in the first or last sixth of the span, or
    - the span is 45m or less in length and is fitted with one spreader, or
    - the span is greater than 45m in length and is fitted with two spreaders.
- A risk assessment of the tree and branch is undertaken in accordance with The City of Yarra Risk Methodology.
- Any risks identified are mitigated.
- A suitably qualified arborist:
  - registers in the tree data base Fulcrum, and
  - o ensures the tree is noted in the annual proactive risk inspection program.

The process is managed by the Coordinator Open Space Services and all records are retained by the City of Yarra for a minimum of five years.

### 7 Exception to minimum clearance space for structural branches around uninsulated low voltage electric lines in low bushfire risk areas

The City of Yarra is in the process of identifying trees that meet the requirements for an exception as outlined in Part 2, Division 1, Clause 7 of Schedule 1 of the Code.

The process for exception to minimum clearance space for structural branches around uninsulated low voltage electric lines in LBRA is

- A tree is identified that has structural branches within the minimum clearance space
- A suitably qualified arborist determines that:
  - the branch is greater than 130mm in diameter when it enters the minimum clearance space,
  - o the branch is no more than 500mm within the minimum clearance space,
  - the branch does not have a visible structural defect that cause the branch to fail and contact the electric line.,
    - the line is an uninsulated, low voltage cable, and
      - the branch is in the first or last sixth of the span, or
      - the span is 45m or less in length and is fitted with one spreader, or
      - the span is greater than 45m in length and is fitted with two spreaders.
- A risk assessment of the tree and branch is undertaken in accordance with The City of Yarra Risk Methodology.
- Any risks identified are mitigated.
- A suitably qualified arborist:

0

- registers in the tree data base Fulcrum, and
- ensures the tree is noted in the annual proactive risk inspection program.

The process is managed by the Coordinator Open Space Services and all records are retained by the City of Yarra for a minimum of five years.

#### 9 Responsible Person may cut or remove hazard tree.

If an employee or contractor identifies a tree as likely to fall onto or otherwise come into contact with an electric line or has regrowth that will enter the minimum clearance space before the next scheduled visit the tree may be pruned or removed provided that:

- The tree has been assessed by a suitably qualified arborist who must consider:
  - the likelihood of contact with electric line,
  - tree health, defects, size of failure, target potential,
  - whether the tree qualifies for an Exception to the minimum clearance space,
  - local environmental and safety factors, as per current Job Safety Analysis requirements,
  - history and significance of the tree, and
  - the presence of habitat or fauna,
- the assessment is recorded on the tree data base Fulcrum,
- works are undertaken with regard to Regulation 9(2)(j) and Regulation 9(2)(k) of the Plan, and
- affected persons are notified as per the City of Yarra's adopted practice.

As the asset owner of the trees covered under this plan, the City of Yarra reserves the right to prune further than 1 metre from the minimum clearance space or remove hazard trees where they cannot be made safe or be retained as useful assets.

# 10 Cutting a tree must, as far as practicable cut the tree in accordance with AS4373 as published or amended from time to time.

Covered in regulation 9(4)(k)

#### 11 Cutting or removal of indigenous or significant trees must be minimised.

#### (3)(a) Indigenous trees

The City of Yarra has a mix of exotic and native ornamental and indigenous tree species. Indigenous trees are spread throughout the municipality.

There are indigenous tree species that may need to be cut or removed to maintain the minimum clearance space or because they are a hazard tree. A list of these is provided at *Appendix 2.1 – Indigenous Trees*.

Works to maintain compliance with the provisions of the Electrical Safety Act 1998 or future revisions in the Declared Area are exempt from permit requirements of overlays of the City of Yarra Planning Scheme.

All tree works conducted on Council owned and managed trees are required to be carried out by suitably qualified and experience arboricultural staff and to meet the minimum standard required to comply with the Plan, as detailed in Clause's 9(4)(i) and 9(4)(j) of the Code.

If the removal of any tree identified under Regulation 9(4)(h)i is required, an inspection and advice will be provided by a suitably qualified arborist prior to removal.

As part of the preparation for the Plan, the City of Yarra will consult with all relevant bodies and standards to ensure all organisational procedures are current.

# (3)(b) Trees listed in a planning scheme to be of ecological, historical or aesthetic significance

The City of Yarra provides contractors and staff with a list of trees of significance designated as having native, cultural or ecological significance or that are listed within a planning scheme within the municipality. This list is provided in *Appendix 2.2 – Heritage Trees and Properties*.

Any works undertaken in relation to Council trees contained within any of the overlays of the City of Yarra Planning Scheme to maintain compliance to the extent practicable with the provisions of the Electrical Safety Act 1998 or future revisions are exempt from permit requirements.

There are trees of significance that may need to be cut or removed to maintain the minimum clearance space or because they are a hazard tree. A list of these is provided at *Appendix 2.2 – Heritage Trees and Properties*.

All tree works conducted on Council owned and managed trees are required to be carried out by suitably qualified and experience arboricultural staff and to meet the minimum standard required to comply with the Plan, as detailed in Clause's 9(4)(i) and 9(4)(j) of the Code.

If the removal of any tree identified under Regulation 9(4)(h)ii is required, an inspection and advice from will be provided by a suitably qualified arborist prior to removal.

As part of the preparation for the Plan, the City of Yarra will consult with all relevant bodies and standards to ensure all organisational procedures are current.

### (3)(c) Trees of cultural or environmental significance

The City of Yarra has several sites with trees designated as having cultural significance via the City of Yarra's Significant Tree Register. This list is provided at *Appendix 2.3 – Trees of horticultural, aesthetic, historical, environmental, social or cultural significance.* No trees within the City of Yarra have been identified as having environmental significance.

There are Significant Trees that may need to be cut or removed to maintain the minimum clearance space or because they are a hazard tree. A list of these is provided at *Appendix 2.3 – Trees of horticultural, aesthetic, historical, environmental, social or cultural significance.* 

All tree works conducted on Council owned and managed trees are required to be carried out by suitably qualified and experience arboricultural staff and to meet the minimum standard required to comply with the Plan, as detailed in Clause's 9(4)(i) and 9(4)(j) of the Code.

If the removal of any tree identified under Regulation 9(4)(h)iii is required, an inspection and advice from will be provided by a suitably qualified arborist prior to removal.

As part of the preparation for the Plan, the City of Yarra will consult with all relevant bodies and standards to ensure all organisational procedures are current.

#### 12 Cutting or removing habitat for threatened fauna.

No tree that is known habitat for threatened fauna will be cut or removed in breeding season, or if currently inhabited, unless it is necessary to make an unsafe situation safe, such as a hazard tree or unsafe regrowth.

As noted at 9(4)(h) the City of Yarra is not aware of any threatened fauna that may be affected by the implementation of this Plan.

Should threatened fauna be identified, the following process shall be followed:

- Location of threatened fauna and associated habitat mapped, and tree maintenance and inspection teams notified,
- Tree assessment conducted by a suitably qualified arborist and results recorded in tree data base. The assessment:
  - o considers tree health, structure and potential risk,
  - o considers the history, location and foreseeable local conditions, and
  - o aims to identify if the fauna using the tree, is a threatened species.
- Once identified the breeding season for the fauna using the tree will be determined by consulting with an appropriate reference, natural reserves officer or specialist.

- Specialist ecological advice may be sought to identify fauna, determine breeding season if required or to translocate fauna,
- Assessment results and information regarding management of the fauna will be referred to the Coordinator Open Space Services for approval prior to commencing works,
- Where practicable works will be undertaken outside the breeding season,
- The tree pruned to habitat until breeding season is complete, or
- Relocation of the fauna can be considered to make safe an unsafe situation as identified in Clause 8, or if it is not practical to undertake works outside of the breeding season.

As part of the preparation for the Plan, the City of Yarra will consult with all relevant bodies and standards to ensure all organisational procedures are current.

### **13** Restriction on timing of cutting or removal if notification is required.

Covered in Clause 16 and 17 of the Code.

#### 14 Restriction on urgent cutting of trees

Covered in Clause 9 of the Code

#### 15 Restriction on urgent removal of trees

Covered in Clause 9 of the Code

### 16 Responsible Person must provide notification before cutting or removing certain trees.

City of Yarra provides notification of the removal of Council trees by notifying five properties either side of a tree and 10 properties on the opposite side of the street (20 in total).

## **17** Responsible Person must provide notification before cutting or removing certain trees.

The City of Yarra will provide notification to persons affected by electrical line clearance works at least 14 days, and no more than 60 days, before the intended pruning or removal is to occur. If pruning does not commence within these timeframes, then affected residents will be re-notified.

A suitably qualified arborist will coordinate notification methods that will include:

- A written notice in the Public Notices section (*Appendix 7 Public Works Notification*)
  - o of a weekly local newspaper, and
  - of the City of Yarra website

## 18 Responsible Person must consult with occupier or owner of private property before cutting or removing certain trees

Clause18 is not applicable as the City of Yarra does not undertake works on trees within private property.

### 19 Notification and record keeping requirements for urgent cutting or removal

Clause 19 is not applicable as the City of Yarra does not undertake works on trees within private property or land belonging to adjacent Councils.

#### 20 Duty relating to the safety of cutting or removal of trees close to an electric line.

The City of Yarra requires all staff and contractors to hold the qualification of Cert II ESI – Powerline Vegetation Control and comply with the guidelines and limits set within either ESV - Electrical Safety Rules for Vegetation Work near Overhead Powerlines by Non-electrical workers (Electrical Safety Rules) or rules set by the asset owner, whichever is greater.

If staff or contractors have concerns about the safety of cutting or removal of a tree for which the Council has clearance responsibilities, the Council will consult:

Business	Contact	Phone	Email
Yarra Trams	Tobias Meyer	0410 473 749	Tobias.Meyer@yarratrams.com.au
VicTrack	Pamela James	(03) 9619-8892	Pamela.James@victrack.com.au
Powercor	Ayce Cordy	0432 233 194	acordy@powercor.com.au
Metro Trains	Katrina Lewis	0405 506 488	Katrina.Lewis@metrotrains.com.au
Jemena	Will Few	0438 322 079	William.few@zinfra.com.au

#### 21 Duty relating to assisting to determine the allowance for cable sag and sway.

Covered in regulation 9(4)(j)(ii)

#### 22 Duties relating to management procedures to minimise danger.

Not applicable to councils

#### 31 Application for approval of alternative compliance mechanism.

The City of Yarra does not currently have in place or have planned any alternative compliance mechanisms for which it seeks application and approval.

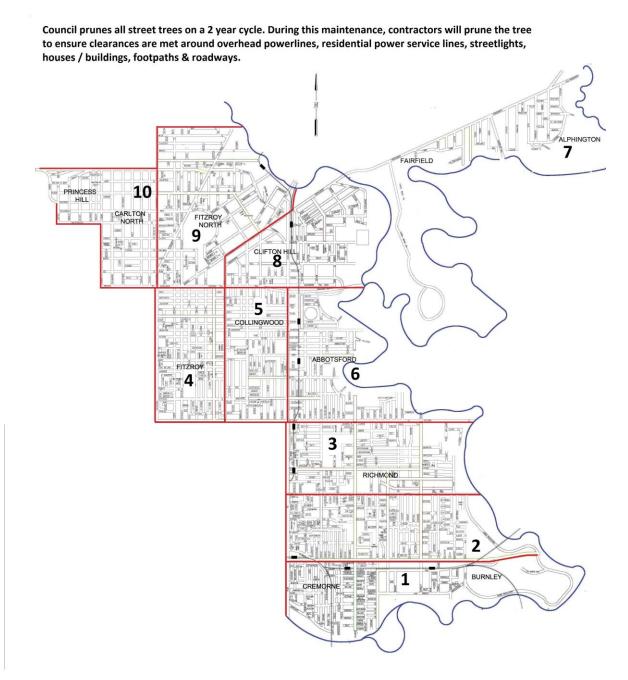
#### **32** Formal safety assessment of alternative compliance mechanism.

The City of Yarra does not currently have in place or have planned any alternative compliance mechanisms for which it requires a formal safety assessment to be completed.

### Appendices Appendix 1 – Map of City of Yarra

The entire City of Yarra is a Declared Area and is rated as Low Bushfire Risk (LBRA).

#### No HBRA is present.



### Appendix 2 – Trees of Indigenous, Heritage or Cultural Significance Appendix 2.1 – Indigenous Trees Species

Trees Indigenous to the City of Yarra							
Botanic Name Common Name							
Acacia implexa	Lightwood						
Acacia pycnantha	Golden Wattle						
Allocasuarina verticillata	Drooping She-oak						
Eucalyptus melliodora	Yellow Box						
Eucalyptus camaldulensis	River Red Gum						

### Appendix 2.2 – Heritage Trees and Properties

	SCHEDULE TO THE HERITAGE OVERLAY	
Heritage T	rees applicable to this Plan	
PS map	Heritage place	Council
ref		Managed
	QUEENS PARADE, BETWEEN ALEXANDRA PARADE & DELBRIDGE STREET	Y
	CLIFTON HILL/ NORTH FITZROY Street Trees Incorporated plan: Incorporated	
	Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit	
HO93	exemptions, July 2014	
	BETWEEN NORTH TERRACE AND SOUTH TERRACE CLIFTON HILL Darling	Y
	Gardens Incorporated plan: Incorporated Plan under the provisions of clause	
HO94	43.01 Heritage Overlay, Planning permit exemptions, July 2014	
	FAIRFIELD PARK DRIVE FAIRFIELD Park Incorporated plan: Incorporated Plan	Y
	under the provisions of clause 43.01 Heritage Overlay, Planning permit	
HO147	exemptions, July 2014	
	VICTORIA PARADE FITZROY Street Trees Incorporated plan: Incorporated Plan	Y
	under the provisions of clause 43.01 Heritage Overlay, Planning permit	
HO188	exemptions, July 2014	
	BRUNSWICK STREET AND ALFRED CRESCENT NORTH FITZROY Edinburgh	Y
	Gardens Incorporated plan: Incorporated Plan under the provisions of clause	
HO213	43.01 Heritage Overlay, Planning permit exemptions, July 2014	
	BURNLEY PARKLANDS RICHMOND Corroboree Tree Incorporated plan:	Y
	Incorporated Plan under the provisions of clause 43.01 Heritage Overlay,	
HO298	Planning permit exemptions, July 2014	
	THE BOULEVARD RICHMOND The Boulevard Parklands, The Boulevard,	Y
	Richmond Incorporated plan: Incorporated Plan under the provisions of clause	
HO299	43.01 Heritage Overlay, Planning permit exemptions, July 2014	

# Appendix 2.3 – Trees of horticultural, aesthetic, historical, environmental, social or cultural significance.

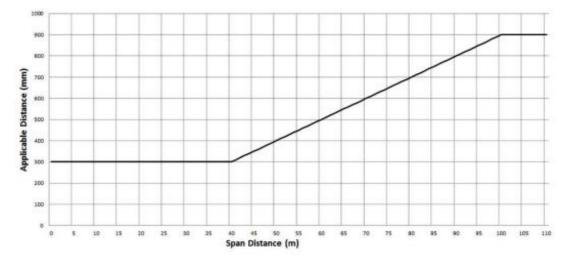
ID	Botanical name	Common Name	Address
1	Ulmus procera	English Elm	DARLING GARDENS, CLIFTON HILL, 3068
2	Quercus ilex	Holm Oak	DARLING GARDENS, CLIFTON HILL, 3068
3	Ulmus procera	English Elm	DARLING GARDENS, CLIFTON HILL, 3068
4	Ulmus procera	English Elm	DARLING GARDENS, CLIFTON HILL, 3068
5	Ulmus procera	English Elm	DARLING GARDENS, CLIFTON HILL, 3068
6	Ulmus procera	English Elm	DARLING GARDENS, CLIFTON HILL, 3068
7	, Ulmus X hollandica	Dutch Elm	DARLING GARDENS, CLIFTON HILL, 3068
8	Ulmus X hollandica	Dutch Elm	DARLING GARDENS, CLIFTON HILL, 3068
9	Butia capitata	Blue Palm	DARLING GARDENS, CLIFTON HILL, 3068
10	Ulmus X hollandica	Dutch Elm	DARLING GARDENS, CLIFTON HILL, 3068
11	Phoenix canariensis	Canary Island Date Palm	DARLING GARDENS, CLIFTON HILL, 3068
12	Washingtonia filifera	Petticoat Palm	DARLING GARDENS, CLIFTON HILL, 3068
13	Phoenix canariensis	Canary Island Date Palm	MAYORS PARK, CLIFTON HILL, 3068
14	Phoenix canariensis	canary Island Date Palm	MAYORS PARK, CLIFTON HILL, 3068
15	phoenix canariensis	Canary Island Date Palm	MAYORS PARK, CLIFTON HILL, 3068
16	Ulmus procera	English Elm	MAYORS PARK, CLIFTON HILL, 3068
10	Quercus ilex	Holm Oak	402 QUEENS PARADE, FITZROY NORTH, 3068
18	Arbutus unedo	Irish Strawberry Tree	416 QUEENS PARADE, FITZROY NORTH, 3068
20	Platanus X acerifolia	Plane Tree	41 PEEL STREET, COLLINGWOOD, 3066
20	Platanus X acerifolia	Plane Tree	106 CAMBRIDGE STREET, COLLINGWOOD, 3066
26	Ulmus X hollandica	Dutch Elm	213 CHURCH STREET, RICHMOND, 3121
20	Schinus molle	Peppercorn Tree	BARKLEY GARDENS, RICHMOND, 3121
27	Schinus molle	Peppercorn Tree	BARKLEY GARDENS, RICHMOND, 3121 BARKLEY GARDENS, RICHMOND, 3121
28	Quercus robur	English Oak	BARKLEY GARDENS, RICHMOND, 3121 BARKLEY GARDENS, RICHMOND, 3121
30	Quercus robur	English Oak	BARKLEY GARDENS, RICHMOND, 3121 BARKLEY GARDENS, RICHMOND, 3121
31	Corymbia citriodora	Lemon-scented Gum	BARKLEY GARDENS, RICHMOND, 3121 BARKLEY GARDENS, RICHMOND, 3121
34	Eucalyptus cladocalyx	Sugar Gum	102 MADDEN GROVE, BURNLEY, 3121
35	Eucalyptus camaldulensis	River Red Gum	102 MADDEN GROVE, BORNEET, 3121 102 MADDEN GROVE, BURNLEY, 3121
33	Eucalyptus camaldulensis	River Red Gum	102 MADDEN GROVE, BORNEET, 3121 102 MADDEN GROVE, BURNLEY, 3121
38	Eucalyptus camaldulensis	River Red Gum	102 MADDEN GROVE, BORNEET, 3121 102 MADDEN GROVE, BURNLEY, 3121
39	Eucalyptus camaldulensis	River Red Gum	102 MADDEN GROVE, BORNEET, 3121 102 MADDEN GROVE, BURNLEY, 3121
40	Eucalyptus camaldulensis	River Red Gum	102 MADDEN GROVE, BORNEET, 3121 102 MADDEN GROVE, BURNLEY, 3121
40	Eucalyptus camaldulensis	River Red Gum	102 MADDEN GROVE, BORNEET, 3121 102 MADDEN GROVE, BURNLEY, 3121
41 42	Eucalyptus camaldulensis	River Red Gum	102 MADDEN GROVE, BORNEET, 3121 102 MADDEN GROVE, BURNLEY, 3121
42			
43	Eucalyptus camaldulensis	River Red Gum	102 MADDEN GROVE, BURNLEY, 3121 102 MADDEN GROVE, BURNLEY, 3121
	Eucalyptus camaldulensis	River Red Gum	
47	Ulmus procera	English Elm	THE ESPLANADE, CLIFTON HILL, 3068
49	Schinus molle	Peppercorn Tree	HEIDELBERG ROAD, CLIFTON HILL, 3068
50	Phoenix canariensis	Canary Island Date Palm	MAYORS PARK, CLIFTON HILL, 3068
55	Eucalyptus globulus	Blue Gum	CONDELL RESERVE, FITZROY, 3065
60	Araucaria bidwillii	Bunya Bunya Pine	280 HEIDELBERG ROAD, FAIRFIELD, 3078
61	Araucaria bidwillii	Bunya Bunya Pine	280 HEIDELBERG ROAD, FAIRFIELD, 3078
63	Eucalyptus camaldulensis	River Red Gum	ALPHINGTON PARK, ALPHINGTON, 3078
68	Platanus X acerifolia	Plane Tree	ABBOTSFORD CONVENT, ABBOTSFORD, 3067
69	Phoenix canariensis	Canary Island Date Palm	ABBOTSFORD CONVENT, ABBOTSFORD, 3067
70	Platanus X acerifolia	Plane Tree	ABBOTSFORD CONVENT, ABBOTSFORD, 3067
71	Platanus X acerifolia	Plane Tree	ABBOTSFORD CONVENT, ABBOTSFORD, 3067
79	Quercus robur	English Oak	18 ST HELIERS STREET, ABBOTSFORD, 3067

Council trees listed on Significant Tree Register to which this Plan may apply.

ID	Botanical name	Common Name	Address
83	Corymbia citriodora	Lemon-scented Gum	133 MOOR STREET, FITZROY, 3065
86	Schinus molle	Peppercorn Tree	BYRON STREET, CREMORNE, 3121
88	Schinus molle	Peppercorn Tree	DUNN STREET, CREMORNE, 3121
89	Schinus molle	Peppercorn Tree	SOUTHEASTERN HIGHWAY, CREMORNE, 3121
90	Eucalyptus camaldulensis	River Red Gum	14 MURPHY STREET, RICHMOND, 3121
94	Platanus X acerifolia	Plane Tree	53 CAMBRIDGE STREET, COLLINGWOOD, 3066
95	Schinus molle	Peppercorn Tree	116 GOLD STREET, COLLINGWOOD, 3066
98	Phoenix canariensis	Canary Island Date Palm	1 BYRNE STREET, FITZROY NORTH, 3068
100	Phoenix canariensis	Canary Island Date Palm	EDINBURGH GARDENS, FITZROY NORTH, 3068
102	Eucalyptus botryoides	Southern Mahogany	EDINBURGH GARDENS, FITZROY NORTH, 3068
103	Eucalyptus camaldulensis	River Red Gum	EDINBURGH GARDENS, FITZROY NORTH, 3068
104	Eucalyptus camaldulensis	River Red Gum	EDINBURGH GARDENS, FITZROY NORTH, 3068
105	Ulmus X hollandica	Dutch Elm	EDINBURGH GARDENS, FITZROY NORTH, 3068
106	Ulmus X hollandica	Dutch Elm	EDINBURGH GARDENS, FITZROY NORTH, 3068
107	Ulmus X hollandica	Dutch Elm	EDINBURGH GARDENS, FITZROY NORTH, 3068
108	Ulmus X hollandica	Dutch Elm	EDINBURGH GARDENS, FITZROY NORTH, 3068
109	Eucalyptus botryoides	Southern Mahogany	EDINBURGH GARDENS, FITZROY NORTH, 3068
110	Eucalyptus camaldulensis	River Red Gum	EDINBURGH GARDENS, FITZROY NORTH, 3068
111	Ulmus X hollandica	Dutch Elm	EDINBURGH GARDENS, FITZROY NORTH, 3068
112	Ulmus X hollandica	Dutch Elm	EDINBURGH GARDENS, FITZROY NORTH, 3068
113	Quercus robur	English Oak	EDINBURGH GARDENS, FITZROY NORTH, 3068
114	Quercus robur	English Oak	EDINBURGH GARDENS, FITZROY NORTH, 3068
115	Eucalyptus botryoides	Southern Mahogany	EDINBURGH GARDENS, FITZROY NORTH, 3068
116	Ulmus X hollandica	Dutch Elm	EDINBURGH GARDENS, FITZROY NORTH, 3068
117	Ulmus X hollandica	Dutch Elm	EDINBURGH GARDENS, FITZROY NORTH, 3068
118	Quercus ilex	Holm Oak	EDINBURGH GARDENS, FITZROY NORTH, 3068
119	Quercus ilex	Holm Oak	EDINBURGH GARDENS, FITZROY NORTH, 3068
120	Eucalyptus botryoides	Southern Mahogany	EDINBURGH GARDENS, FITZROY NORTH, 3068
123	Ulmus procera	English Elm	165 ALFRED CRESCENT, FITZROY NORTH, 3068
124	Ulmus procera	English Elm	2 RUSHALL CRESCENT, FITZROY NORTH, 3068
129	Lophostemon confertus	Queensland Brush Box	33 MICHAEL STREET, FITZROY NORTH, 3068
131	Corymbia maculata	Spotted Gum	245 SCOTCHMER STREET, FITZROY NORTH, 3068
134	Ulmus procera	English Elm	BEST STREET, FITZROY NORTH, 3068
135	Ulmus procera	English Elm	BROOKES CRESCENT, FITZROY NORTH, 3068
151	Acacia maidenii	Maiden's Wattle	BRUNSWICK STREET, FITZROY NORTH, 3068
152	Schinus molle	Peppercorn Tree	RAE STREET, FITZROY NORTH, 3068
153	Phoenix canariensis	Canary Island Date Palm	308 PARK STREET, CARLTON NORTH, 3054
154	Populus alba 'Pyramidalis'	White Fastigiate Poplar	701 LYGON STREET, PRINCES HILL, 3054
155	Ulmus procera	English Elm	204 PARK STREET, FITZROY NORTH, 3068
160	, Maclura pomifera	Osage Orange	500 YARRA BOULEVARD, BURNLEY, 3121
162	Corymbia maculata	Spotted Gum	166 RAE STREET, FITZROY NORTH, 3068
164	Phoenix canariensis	Canary Island Date Palm	303 PIGDON STREET, PRINCES HILL, 3054
		·	1036 DRUMMOND STREET, CARLTON NORTH,
167	Ulmus procera	English Elm	3054
			1031 DRUMMOND STREET, CARLTON NORTH,
168	Ulmus procera	English Elm	3054
170	Corymbia citriodora	Lemon-scented Gum	368 STATION STREET, CARLTON NORTH, 3054
174	Eucalyptus saligna	Sydney Blue Gum	7 SHAKESPEARE STREET, CARLTON NORTH, 3054
177	Quercus robur	English Oak	CURTAIN SQUARE, CARLTON NORTH, 3054
178	Ulmus procera	English Elm	CURTAIN SQUARE, CARLTON NORTH, 3054
179	Ulmus procera	English Elm	CURTAIN SQUARE, CARLTON NORTH, 3054
180	Ficus macrophylla	Moreton Bay Fig	CURTAIN SQUARE, CARLTON NORTH, 3054
100			

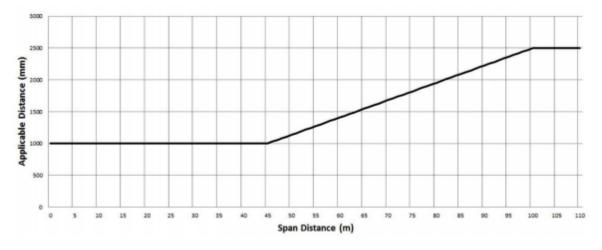
ID	Botanical name	Common Name	Address
183	Lophostemon confertus	Queensland Brush Box	PIGDON STREET, PRINCES HILL, 3054
184	Lophostemon confertus	Queensland Brush Box	162 ARNOLD STREET, PRINCES HILL, 3054
186	Lophostemon confertus	Queensland Brush Box	PIGDON STREET, PRINCES HILL, 3054
187	Lophostemon confertus	Queensland Brush Box	11 WILSON STREET, PRINCES HILL, 3054
188	Phoenix canariensis	Canary Island Date Palm	20 PRINCES STREET, CARLTON NORTH, 3054
190	Platanus X acerifolia	Plane Tree	995 RATHDOWNE STREET, CARLTON NORTH, 3054
191	Quercus palustris	Pin Oak	716 RATHDOWNE STREET, CARLTON NORTH, 3054
192	Platanus X acerifolia	Plane Tree	656 RATHDOWNE STREET, CARLTON NORTH, 3054
193	Phoenix canariensis	Canary Island Date Palm	333 CANNING STREET, CARLTON NORTH, 3054
194	Ulmus procera	English Elm	212 MACPHERSON STREET, PRINCES HILL, 3054
195	Phoenix canariensis	Canary Island Date Palm	214 MACPHERSON STREET, PRINCES HILL, 3054
196	Ulmus procera	English Elm	218 MACPHERSON STREET, PRINCES HILL, 3054
202	Platanus X acerifolia	Plane Tree	481 HODDLE STREET, CLIFTON HILL, 3068
204	Ulmus procera	English Elm	YARRA BOULEVARD, BURNLEY, 3121
225	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
226	Eucalyptus camaldulensis	River Red Gum	500 YARRA BOULEVARD, BURNLEY, 3121
227	Eucalyptus cladocalyx	Sugar Gum	500 YARRA BOULEVARD, BURNLEY, 3121
228	Eucalyptus cornuta	Yate	500 YARRA BOULEVARD, BURNLEY, 3121
229	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
230	Eucalyptus camaldulensis	River Red Gum	576 SWAN STREET, BURNLEY, 3121
231	Eucalyptus camaldulensis	River Red Gum	576 SWAN STREET, BURNLEY, 3121
232	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
234	Ulmus procera	English Elm	67 VICTORIA PARADE, COLLINGWOOD, 3066
236	Eucalyptus camaldulensis	River Red Gum	LULIE STREET, ABBOTSFORD, 3067
239	Ulmus procera	English Elm	HEIDELBERG ROAD, CLIFTON HILL, 3068
240	Platanus X acerifolia	Plane Tree	158 QUEENS PARADE, FITZROY NORTH, 3068
241	Platanus X acerifolia	Plane Tree	7 QUEENS PARADE, CLIFTON HILL, 3068
242	Schinus molle	Peppercorn Tree	41 ALEXANDER STREET, CLIFTON HILL, 3068
243	Schinus molle	Peppercorn Tree	41 ALEXANDER STREET, CLIFTON HILL, 3068
244	Schinus molle	Peppercorn Tree	41 ALEXANDER STREET, CLIFTON HILL, 3068
245	Ulmus procera	English Elm	24 ALEXANDRA PARADE, CLIFTON HILL, 3068
246	Schinus molle	Peppercorn Tree	2 ALEXANDRA PARADE, CLIFTON HILL, 3068
247	Schinus molle	Peppercorn Tree	11 ALEXANDRA PARADE, COLLINGWOOD, 3066
248	Ulmus procera	English Elm	49 ALEXANDRA PARADE, COLLINGWOOD, 3066
249	Schinus molle	Peppercorn Tree	49 ALEXANDRA PARADE, COLLINGWOOD, 3066
250	Schinus molle	Peppercorn Tree	58 ALEXANDRA PARADE, CLIFTON HILL, 3068
251	Eucalyptus camaldulensis	River Red Gum	576 SWAN STREET, BURNLEY, 3121
252	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
253	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
254	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
255	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
256	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
257	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
258	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121
259	Eucalyptus camaldulensis	River Red Gum	YARRA BOULEVARD, BURNLEY, 3121

Appendix 3 – Applicable distance for middle two thirds of a span of an electric line

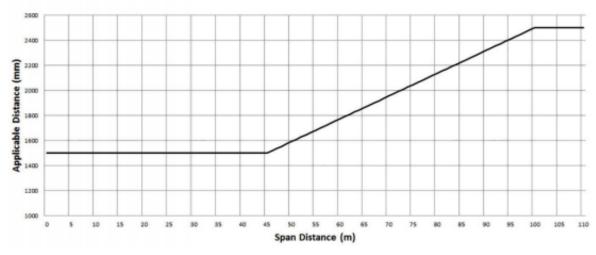


**GRAPH 1—INSULATED ELECTRIC LINES IN ALL AREAS** 





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





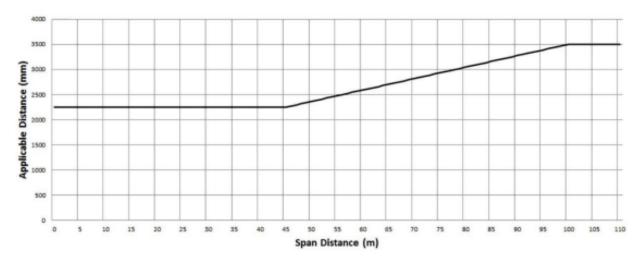
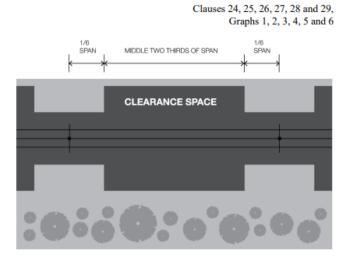


FIGURE 1 – PLAN VIEW OF ELECTRICAL LINES IN ALL AREAS



#### FIGURE 2 – INSULATED ELECTRICAL LINES IN ALL AREAS

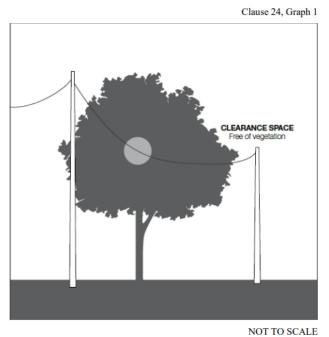
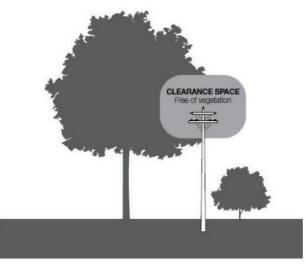


FIGURE 3 – INSULATED ELECTRICAL LINES IN ALL AREAS AND UNINSULATED HIGH VOLTAGE ELECTRICAL LINES (OTHER THAN 66 000 VOLTAGE ELECTRIC LINES) IN LOW BUSHFIRE RISK AREAS

Clauses 24 and 26, Graphs 1 and 3



NOT TO SCALE

#### FIGURE 4 – UNINSULATED LOW VOLTAGE ELECTRICAL LINES IN LOW BUSHFIRE RISK AREAS

Clause 25, Graph 2

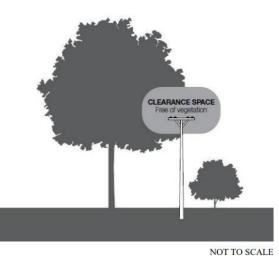
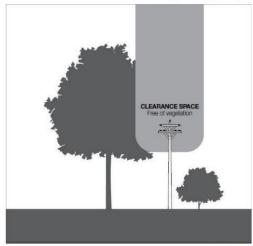


FIGURE 5 – UNINSULATED 66 000 VOLTAGE ELECTRICAL LINE IN A LOW BUSHFIRE RISK AREA Clauses 27, 28 and 29, Graphs 4, 5 and 6



NOT TO SCALE

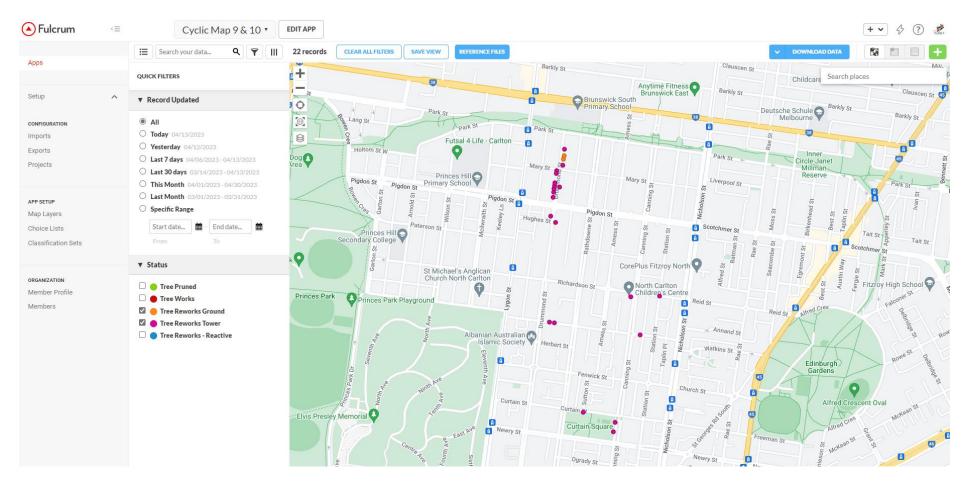
### Appendix 4 – Cyclic Pruning Program Timeframe

Using the below link, please search for the heading 'When does Yarra prune street trees' to locate your suburb and timeline of cyclic pruning on the interactive map.

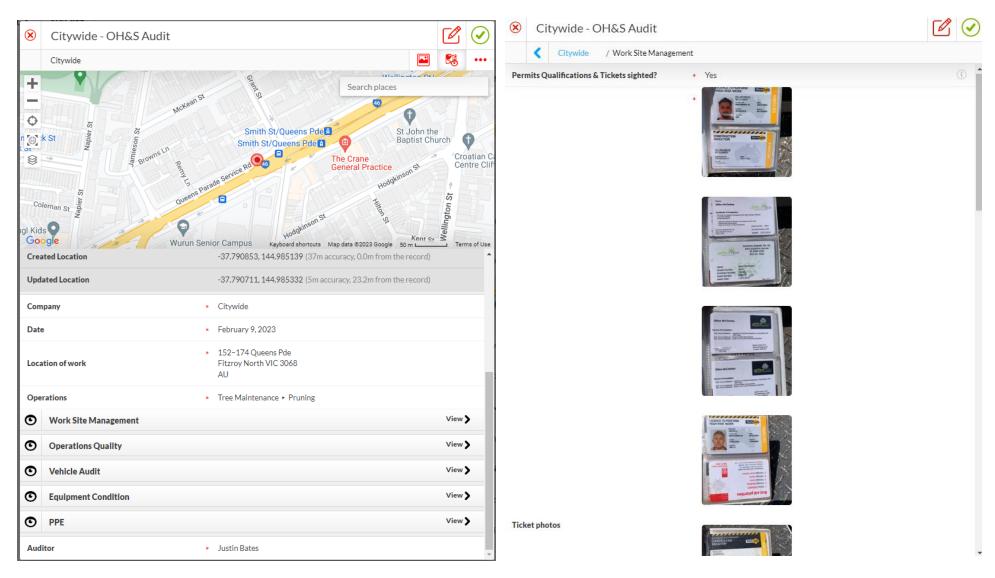
Trees | Yarra City Council

#### Appendix 5 - Example of City of Yarra Audit Forms (Fulcrum)

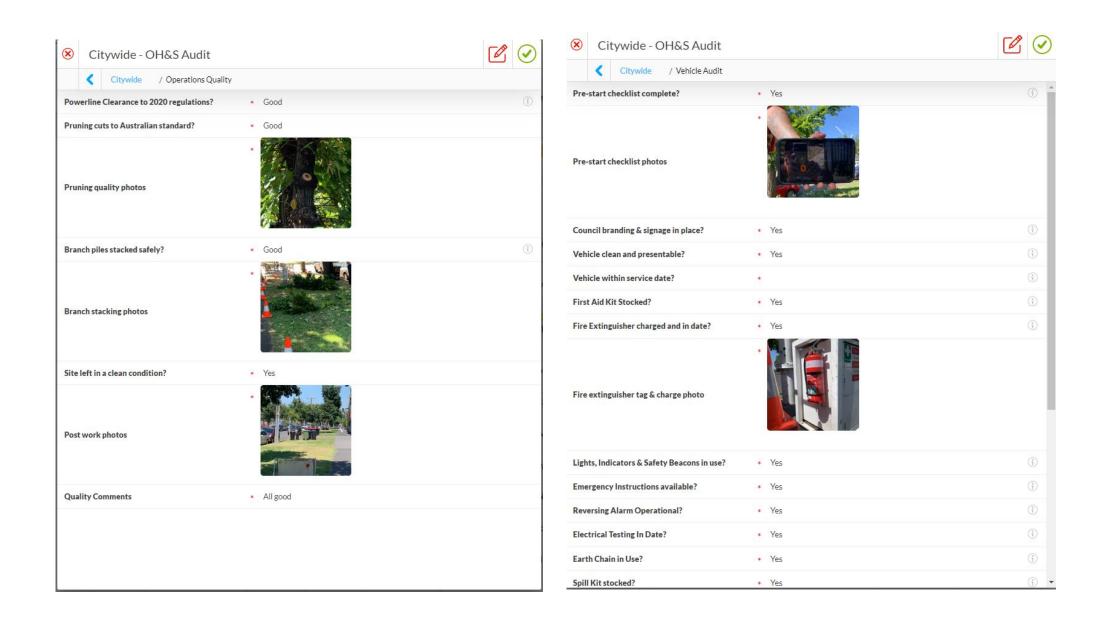
#### Appendix 5.1 – Pruning Audit Form







⊗ Citywide - OH&S Audit			😣 Citywide - OH&S Au	dit	
Citywide / Work Site Manageme	ent		Citywide / Work Sit	e Management	
HAC/JSA completed?	* Yes	<ul> <li>(i)</li> </ul>	Site Housekeeping	* Good	(1)
			Emissions Controlled?	* Yes	(
			Traffic Management Plan in use?	* Yes	1
HAC/JSA Confirmation			Traffic flow around worksite safe & sr	nooth? * Yes	
			Pedestrians Controlled?	* Yes	(1)
	Hutting A		signs & traffic cones out and in good c	ondition? * Yes	(
Council ELCMP photo	THE THE AND THE DESCRIPTION				
SWMS Active	<ul> <li>Chainsaw, Manual Handling, Overhead Powe Tower / EWP</li> </ul>	rlines HV/LV, Pruning Saws,	Site Setup Photos		
SWMS Implementation	* Yes	(1)		Account of the second se	
Site Housekeeping	* Good	(1)			
Emissions Controlled?	* Yes	1			
Traffic Management Plan in use?	* Yes	(i)			
Traffic flow around worksite safe & smooth?	* Yes			A 1500 - 2	
Pedestrians Controlled?	• Yes	(j)		Say	
signs & traffic cones out and in good condition?	* Yes	(j)			
			Site Comments	* All good	



8 Citywide - OH&S Audit		🖉 🕢 🗴 c	itywide - OH&S Audit		
Citywide / Equipment Cor	ndition	<	Citywide / PPE		
Manual Tools in serviceable condition?	<ul> <li>Yes</li> </ul>	Gloves re	equired/worn?	• N/A	( <sup>†</sup> )
Fuel stored safely?	* Yes	(i) Footwea	r in good condition?	* Yes	(1)
	8 10 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sun Prot	ection available in vehicle?	* Yes	
	<b>B2.48</b>	Helmet i	n service date?	<ul> <li>Valid</li> </ul>	Î
	Eye Prot	ection required/worn?	* Yes	(i)	
		High Viz	Gear being worn?	* Yes	
quipment Pics		Harness	'Lanyard in service date?	* Yes	(i)
quipment Pics		Chainsav	v Chaps serviceable/worn?	* Yes	(i)
		PPE Pics			
Equipment Comments	<ul> <li>All good</li> </ul>	PPE Com	mente	<ul> <li>All good</li> </ul>	

### Appendix 6 – Skills Report

Report Date:		10/07/2	2024									
Name	Position	Driver Licence	MR Licence	HR Licence	High Risk (EWP) Licence	ESV Refresher	First Aid	ESI Certificate 2	CPR 12 month Refresher	Traffic Management	Fire Warden / Chief Fire Warden	EWP Escape & Rescue
Rodney FRASER	Operational Leader/ Cutter		2/06/2024		11/04/2019	25/06/2024	13/05/2024	7/03/2019	25/06/2024		expired	expired
Bevan JOHNSON	Operational Supervisor/ Cutter			2/06/2024	22/06/2021	2/06/2024	expired	21/05/2015	2/06/2024	15/03/2022	expired	11/07/2023
Cameron HARVEY	EWP cutter		2/06/2024		17/07/2023	2/06/2024	10/03/2023	16/08/2023	2/06/2024	24/03/2023		15/08/2023
Cruze PATTERSON	EWP cutter			2/06/2024	9/05/2024			27/06/2024	12/06/2024			27/06/2024
Daniel WITNISH	EWP cutter			2/06/2024	13/04/2024	25/06/2024	30/09/2022	16/04/2019	25/06/2024	15/03/2022		expired
Glenn THOMAS	EWP cutter			2/06/2024	15/09/2021	26/06/2024	26/08/2022	11/04/2016	26/06/2024	4/04/2022		16/07/2023
Goji TOYAMA	EWP cutter		2/06/2024		5/03/2019	2/06/2024	11/11/2022	18/05/2019	2/06/2024	28/04/2022		11/07/2023
Gus MURRAY	EWP cutter	26/05/2024			31/07/2023	2/06/2024		16/08/2023	2/06/2024	24/03/2023		15/08/2023
Hugh MOLLER	EWP cutter		2/06/2024		9/11/2021			27/06/2024	12/06/2024			27/06/2024
lan BERRY	EWP cutter				29/12/2023	25/06/2024	28/09/2022	25/08/2022	25/06/2024	4/04/2022		9/07/2023
Jackson COLLARD	Crew leader / EWP cutter			2/06/2024	28/10/2021	2/06/2024	28/09/2022	25/08/2022	2/06/2024			11/07/2023
Joshua PAMMENT- BARRY	EWP cutter			14/05/2024	29/10/2021	2/06/2024	8/11/2021	25/11/2021	2/06/2024	13/12/2021		11/07/2023
Nicholas Vincent GIULIANO	EWP cutter			2/06/2024	7/09/2021	25/06/2024	30/09/2022	29/07/2021	25/06/2024	4/04/2022		expired
Orry HURLEY	EWP cutter			2/06/2024	11/10/2022	25/06/2024	30/09/2022	10/11/2022	25/06/2024	24/03/2023		expired
Philippe DALAIS	EWP cutter		2/06/2024		16/04/2024	25/06/2024	23/05/2024	29/07/2021	25/06/2024	13/12/2021		expired
Rocco ANDRIULI	EWP cutter			2/06/2024	15/04/2019	2/06/2024	expired	22/11/2018	2/06/2024	13/12/2021		11/07/2023
Stephen John WOOLLEY	HSR/EWP cutter			26/05/2024	28/07/2022	2/06/2024	2/12/2022	31/03/2015	2/06/2024	15/03/2022		11/07/2023

### Appendix 7 – Public Works Notification Example

#### **Street Tree Pruning Public Notification**

Yarra City Council Street tree maintenance program will be operating in Richmond (Swan Street to Bridge Road) from 1 March 2021 – 30 April 2021.

These works are programmed every two years to maintain safe clearances from power lines, roads, signage, vehicles and pedestrians and meet Council's obligations under the Electrical Line Clearance Regulations 2020.

Council requests and appreciates your understanding in completing these necessary works. Should you have any questions regarding these works please contact Council's Open Space Services Team on 9205 5555 or <u>info@yarracity.vic.gov.au</u>