

# Electric Line Clearance Plan 2024/25

Version No	Date Approved	Approved By	Issue Date
1.0		Brett Grambau – Manager City Works	
		Sam Hewett - General Manager Infrastructure and Environment	

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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.

**conductor** – Overhead powerline.

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

DEECA - Department of Environment, Land, Water and Planning

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.

**suitably qualified arborist** – an arborist who holds a minimum of Certificate IV Arboriculture, Assess trees module and 3 years experience.

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, Manager City Works and Coordinator Open Space Services or delegated authority will review and amend the plan annually. The amended document will be submitted to the General Manager Infrastructure and Environment for review and authorisation prior to the 31st of March each year.

Preparation of this document is scheduled in the Coordinator Open Space Services calendar for the first week in February every year. The preparation of this document will include a review of all processes and procedures and their effectiveness in meeting the plan objectives.

The new document will be submitted to the General Manager Infrastructure and Environment for review and authorisation prior to the 31st of March each year. The superseded document will be removed from circulation on 30 June of each year and replaced with the new approved document.

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 Environme	
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

Customer Service
(03) 9205 5555
After Hours Service
(03) 9205 5555

### (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(3)(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 municipality is a declared area and is designated LBRA by the CFA. A map of the declared area is contained in Appendix 1 - Map of City of Yarra.

The City of Yarra's declared areas contain spans of both low and high voltage conductors. The City of Yarra has information on electrical assets incorporated into the organisations 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)

The entire municipality is a declared area and is designated LBRA by the CFA. A map of the declared area is contained in *Appendix 1 – Map of City of Yarra*.

## (h) The location of areas containing trees which may need to be cut or removed to ensure compliance with the Code and that are:

#### **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 suitably qualified arborists 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 list of significant trees that have been nominated by the community as being of cultural significance. The full list can be found at <u>https://www.yarracity.vic.gov.au/services/cleaning-and-maintenance/trees/significant-trees</u>, the 147 trees applicable to the Plan 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 - Contacts for consultation

Location of:	Organisation	Method	
Native trees	The City of Yarra	Refer to Appendix 2.1 – Indigenous Trees	
Native trees	DEECA	https://www.environment.vic.gov.au/native-vegetation/native-vegetation	
Heritage Trees	The City of Yarra	Refer to Appendix 2.2 – Heritage Trees and Properties	
Planning scheme	DEECA	http://planningschemes.dpcd.vic.gov.au/schemes/yarra	
Planning scheme /     The Victorian       Cultural     Heritage       Database     http://vhd.heritage.vic.gov.au/vhd/heritagevic		http://vhd.heritage.vic.gov.au/vhd/heritagevic	
Victorian       Aboriginal       http://www.vic.gov.au/aboriginalvictoria/heritage/heritage-tools-and-publications/victorian-aboriginal-heritage-register.html         Cultural       Heritage       publications/victorian-aboriginal-heritage-register.html			
CulturalThe City of YarraRefer to Appendix 2.3 – Trees of horticultural, aesthetic, historical, environmen cultural significance.		Refer to Appendix 2.3 – Trees of horticultural, aesthetic, historical, environmental, social or cultural significance.	

Threatened Vertebrate	DEECA	https://www.environment.vic.gov.au/	data/assets/pdf_file/0019/50239/201706-FFG-
and invertebrate fauna	DEECA	Threatened-List.pdf	

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 minimum clearances (*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 clearance space between pruning cycles and manage the sag and sway of electrical conductors for spans great 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 Councils database Forestree.
- A quality audit of trees is undertaken by the Arborist or delegated officer for each completed block to ensure compliance with the Electric Safety (Electric Line Clearance) Regulations 2020 (*Appendix 3 Applicable distance for middle two thirds of a span of an electric line*) and AS 4373-2007 (*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 the 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 the 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 Electric Safety (Electric Line Clearance) Regulations 2020 (see *Appendix 3 Applicable distance for middle two thirds of a span of an electric line*). 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 the arborist for alternative management solutions as per Section 9(3)(k) of the Plan.

**Proactive tree removals** of 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 arborist or delegated Arboricultural officer inspects the tree to confirm
  - The tree cannot be managed through pruning,
  - o 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. Tree species to be planted will be selected by the 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 and graphs 5 and 6 will inform allowance for sag and sway in HBRA areas to confirm requirements (*Appendix 3 – Applicable distance for middle two thirds of a span of an electric line*).

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 does not currently have information relating to the sag and sway clearances required for 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 the 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:
  - o Certificate Level III in Horticulture and Arboriculture,
  - 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 electric line clearance regulations (*Appendix 5 – Example of Cyclic Pruning Block Audit Forms*)

- 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 the Arborist Programmed 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.

## (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 City of Yarra holds.

Not applicable

II. Is in effect.

Not applicable

### (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:

- A quality audit is undertaken by the Arborist or delegated officer who is a suitably qualified arborist for each completed pruning block to ensure compliance with:
  - $\circ$  ~ the Electric Safety (Electric Line Clearance) Regulations 2020, and
  - quality of arboricultural works and compliance with AS 4373 Pruning of Amenity Trees.
- 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
  - o Quality of Works Performed
  - Operation and Condition of Vehicle
  - Tools and Equipment
  - Personal Protective Equipment
  - Work Practices
  - 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.

Once identified non-compliance is reported to the Arborist and rectified within fourteen (14) working days. Confirmation of rectification is to be provided in writing to the Arborist and included

in the monthly contract report. Contractors are required to provide a report in response to noncompliance 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

When staff and contractors are undertaking electric line clearance works for the City of Yarra they are working as authorised persons as outlined in the Electricity Safety (Installations) Regulations 2009 r. 318 and r. 319.

The City of Yarra will ensure that all staff and contractors working as authorised persons will conform to:

- Electricity Safety (Installations) Regulations 2009 r. 318 and r. 319,
- Australian Standard AS4373-2007 Pruning of Amenity Trees,
- The "Blue Book", and
- Any organisational procedures, safe work method statements and Job Safety Assessments to ensure the work can be completed safely.

The City of Yarra will ensure that all staff and contractors:

- are trained both initially and when refresher courses are required by a Registered Training Organisation (RTO)
- performing tree pruning and removal works around electric lines are suitably qualified and trained personnel who hold the following qualifications:
  - o Arborist / Grounds Person
    - Certificate II ESI in Powerline Vegetation Control, including a current refresher, and
    - Minimum Certificate III Horticulture / Arboriculture.
  - Arboricultural Inspector
    - Minimum Certificate IV Horticulture / Arboriculture, including
    - the nationally accredited 'Assess' and 'Identify' modules, and
    - 3 years industry experience.

The Certificate III Horticulture/Arboriculture and Certificate II ESI cover many aspects of required training such as Chainsaw use, OH&S principles, First Aid, pruning techniques and High Risk licences. Additional staff may be required to hold training in.

- Traffic management,
- Chipper operation/induction,
- Chemical application (A.C.U.P or similar), or
- Tree Climbing

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*).

All contractors are required to provide evidence of appropriate qualifications and training prior to the commencement of work and report on updates to training via monthly and annual reports. All records are stored in the City of Yarra document management system.

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.

#### (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, 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 (03) 96038370.

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) A Responsible Person must ensure that a copy of the management plan is published on the City of Yarra Internet site

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

The Coordinator Open Space Services will ensure the Plan will be updated on the website each year as per the following process:

- Draft of the new plan completed by 1st March,
- Draft sent to the General Manager Infrastructure and Environment and Manger City Works for review by 31st March,
- Amendments made as required,
- Send amended plan to the General Manager Infrastructure and Environment for approval, and
- After plan is approved liaise with Communications Department to remove superseded Plan and publish new Plan to website and Council Offices by 30 June.

### **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 clearance zone
- 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.
- The 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.

## 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 clearance zone
- An 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 clearance zone
- A suitably qualified Arborist determines that:
  - o the branch 10mm in diameter when it enters the minimum clearance space,
  - $\circ$  the branch enters the clearance space by no more than 500mm,
  - $\circ$  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.
- The 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.

### 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 clearance zone
- A suitably qualified Arborist determines that:
  - the branch is greater than 130mm in diameter when it enters the minimum clearance space,
  - o the branch enters the clearance space by no more than 500mm,
  - 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.
- The 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.

#### 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 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 as per Clause 4, 5 and 6 of the Code.
  - 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(3)(j)

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

The City of Yarra provides contractors and staff with a list of trees designated as having native, cultural or environmental significance or that are listed within a planning scheme within the municipality (*Appendix 2.2 – Heritage Trees and Properties*)

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

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

There are indigenous tree species that may need to be cut or removed to ensure compliance with the 2020 Regulations (*Appendix 2.1 – Indigenous Trees*).

Pruning works to maintain compliance with the provisions of the Electrical Safety Act 1998 or future revisions in declared areas are exempt from permit requirements of overlays of the City of Yarra Planning Scheme.

All tree works conducted on Council owned and managed trees is 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(3)(i), (j) and (k) of the Code.

If the removal of any tree identified under Regulation 9(3)(h) 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

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.

All tree works conducted on Council owned and managed trees is 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(3)(i), (j) and (k) of the Code.

If the removal of any tree identified under Regulation 9(3)(h) 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 (*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.

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(3)(i), (j) and (k) of the Code.

If the removal of any tree identified under Regulation 9(3)(h) 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 removal of habitat for threatened fauna.

As per regulation 9(3)(h) of the Plan the City of Yarra is not currently aware of any threatened fauna which 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. Resources such as <u>http://www.delwp.vic.gov.au/environment-and-wildlife/arthur-rylah-institute/threatened-species-and-communities</u> or <u>http://www.swifft.net.au/cb\_pages/bio-calendar.php</u> may be used in the first instance,
- Specialist 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.

Clause 15 is not applicable as the City of Yarra does not undertake works on trees:

- within private property
- on land that is managed by a Council that is not the City of Yarra, or
- that affect an owner or occupiers use of private property

### **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.

The 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(3)(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.

Blyumbarr

Brett Grambau, Manager City Works Date: 06/03/2024

Signed:

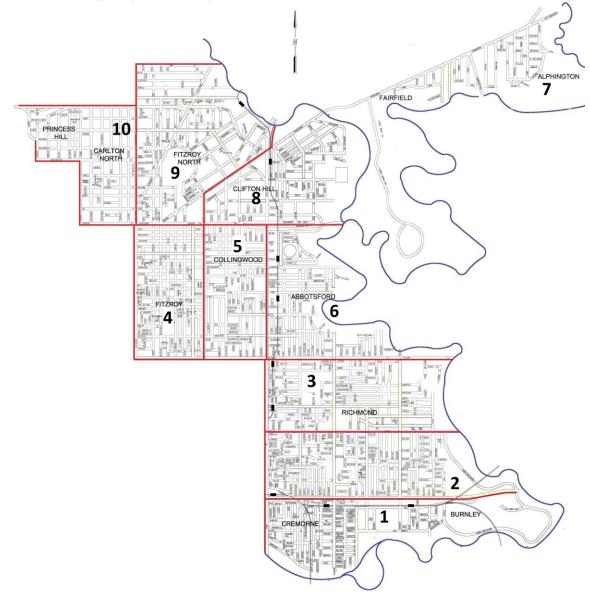
Signed:

Sam Hewett, General Manager Infrastructure and Environment Date: 23/04/24

### Appendices

### Appendix 1 – Map of City of Yarra

Council prunes all street trees on a 2 year cycle. During this maintenance, contractors will prune the tree to ensure clearances are met around overhead powerlines, residential power service lines, streetlights, houses / buildings, footpaths & roadways.



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

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

### Appendix 2.2 – Heritage Trees and Properties

	SCHEDULE TO THE HERITAGE OVERLAY			
Heritage Trees applicable to this Plan				
PS map ref	Heritage place	Council Manage		
НО9	CLARKE STREET / ST HELIERS STREET ABBOTSFORD Former Convent of the Good Shepherd complex, including surrounding land uses and associated trees Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	N		
H073	53 LUCERNE CRESCENT ALPHINGTON House Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	N		
HO93	QUEENS PARADE, BETWEEN ALEXANDRA PARADE & DELBRIDGE STREET CLIFTON HILL/ NORTH FITZROY Street Trees Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	Y		
H094	BETWEEN NORTH TERRACE AND SOUTH TERRACE CLIFTON HILL Darling Gardens Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	Y		
HO147	FAIRFIELD PARK DRIVE FAIRFIELD Park Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	Y		
HO153	25 -37 BRUNSWICK STREET FITZROY Barcelona Terrace Gardens Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	N		
HO188	VICTORIA PARADE FITZROY Street Trees Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	Y		
HO213	BRUNSWICK STREET AND ALFRED CRESCENT NORTH FITZROY Edinburgh Gardens Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	Y		
HO298	BURNLEY PARKLANDS RICHMOND Corroboree Tree Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	Y		
HO299	THE BOULEVARD RICHMOND The Boulevard Parklands, The Boulevard, Richmond Incorporated plan: Incorporated Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit exemptions, July 2014	Y		

	Yarra Bend Road, Fairfield Hospital Grounds (former) Incorporated plan: Incorporated	Ν
	Plan under the provisions of clause 43.01 Heritage Overlay, Planning permit	
HO344	exemptions, July 2014	

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

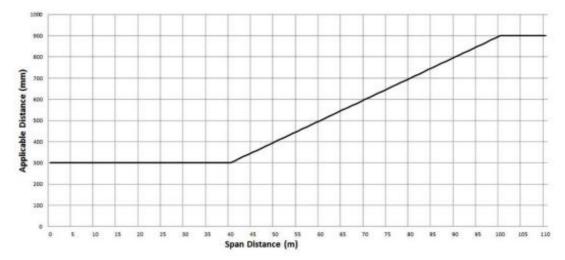
ID **Botanical name Common Name** Address 1 Ulmus procera English Elm DARLING GARDENS, CLIFTON HILL, 3068 DARLING GARDENS, CLIFTON HILL, 3068 2 Quercus ilex Holm Oak DARLING GARDENS, CLIFTON HILL, 3068 3 Ulmus procera English Elm DARLING GARDENS, CLIFTON HILL, 3068 4 Ulmus procera English Elm DARLING 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 Phoenix canariensis 13 Canary Island Date Palm MAYORS PARK, CLIFTON HILL, 3068 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 17 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 41 PEEL STREET, COLLINGWOOD, 3066 Plane Tree 21 Platanus X acerifolia Plane Tree 106 CAMBRIDGE STREET, COLLINGWOOD, 3066 26 Ulmus X hollandica Dutch Elm 213 CHURCH STREET, RICHMOND, 3121 27 Schinus molle Peppercorn Tree BARKLEY GARDENS, RICHMOND, 3121 28 Schinus molle Peppercorn Tree BARKLEY GARDENS, RICHMOND, 3121 29 BARKLEY GARDENS, RICHMOND, 3121 Quercus robur English Oak 30 Quercus robur English Oak BARKLEY GARDENS, RICHMOND, 3121 31 Corymbia citriodora Lemon-scented Gum BARKLEY GARDENS, RICHMOND, 3121 34 102 MADDEN GROVE, BURNLEY, 3121 Eucalyptus cladocalyx Sugar Gum 35 Eucalyptus camaldulensis **River Red Gum** 102 MADDEN GROVE, BURNLEY, 3121 37 Eucalyptus camaldulensis River Red Gum 102 MADDEN GROVE, BURNLEY, 3121 38 Eucalyptus camaldulensis **River Red Gum** 102 MADDEN GROVE, BURNLEY, 3121 39 Eucalyptus camaldulensis **River Red Gum** 102 MADDEN GROVE, BURNLEY, 3121 40 **River Red Gum** 102 MADDEN GROVE, BURNLEY, 3121 Eucalyptus camaldulensis 41 Eucalyptus camaldulensis River Red Gum 102 MADDEN GROVE, BURNLEY, 3121 42 Eucalyptus camaldulensis **River Red Gum** 102 MADDEN GROVE, BURNLEY, 3121 43 Eucalyptus camaldulensis River Red Gum 102 MADDEN GROVE, BURNLEY, 3121 44 **River Red Gum** 102 MADDEN GROVE, BURNLEY, 3121 Eucalyptus camaldulensis

Trees listed on Significant Tree Register applicable to this Plan

ID	Botanical name	Common Name	Address
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
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

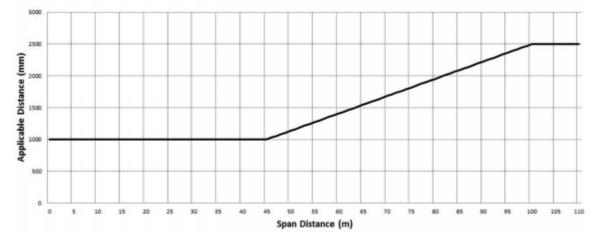
ID	Botanical name	Common Name	Address		
131	Corymbia maculata	Spotted Gum	245 SCOTCHMER STREET, FITZROY NORTH, 3068		
134	Ulmus procera	English Elm	BEST STREET, FITZROY NORTH, 3068		
135	Ulmus procera	English Elm	BROOKES CRESCENT, FITZROY NORTH, 3068		
151	Acacia maidenii	Maiden's Wattle	BRUNSWICK STREET, 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		
167	Ulmus procera	English Elm	1036 DRUMMOND STREET, CARLTON NORTH, 3054		
168	Ulmus procera	English Elm	1031 DRUMMOND STREET, CARLTON NORTH, 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		
181	Ulmus procera	English Elm	CURTAIN SQUARE, CARLTON NORTH, 3054		
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		

ID	Botanical name	Common Name	Address
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

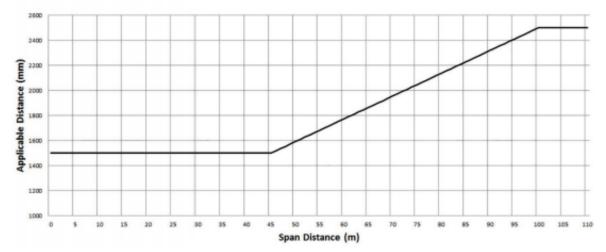


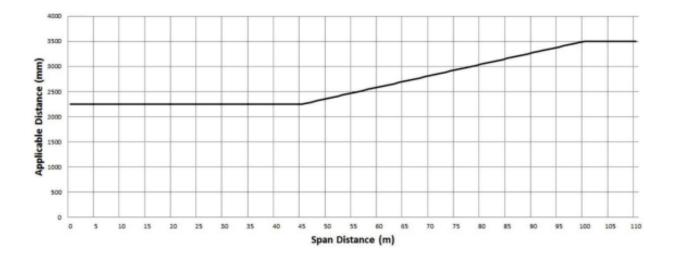
Appendix 3 – Applicable distance for middle two thirds of a span of an electric line GRAPH 1—INSULATED ELECTRIC LINES IN ALL AREAS

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



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





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



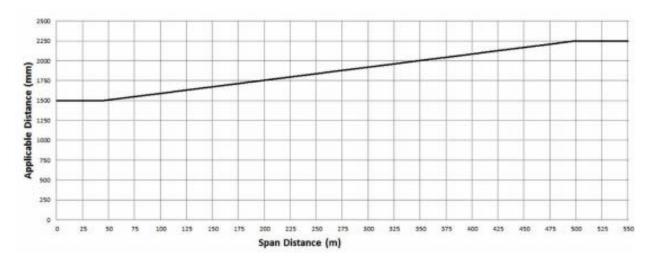
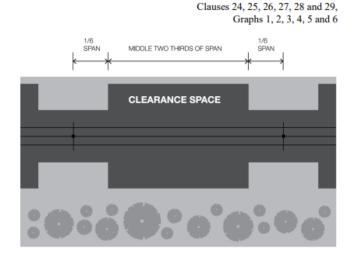


FIGURE 1 – PLAN VIEW OF ELECTRICAL LINES IN ALL AREAS



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

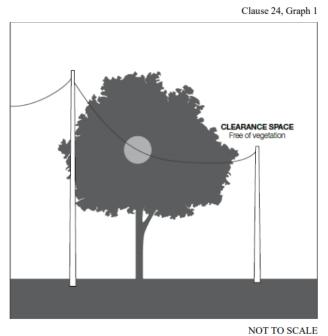
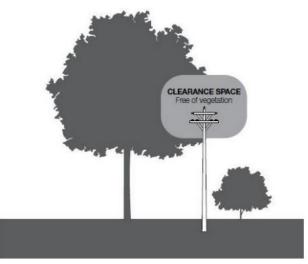


FIGURE 3 – INSULATED ELECTRICAL LINES IN ALL AREAS AND UNINSULATED HIGH VOLTAGE ELECTRICAL LINES (OTHER THAN 66 000 VOLTAGE ELECTRIC LINES) IN LOW BUSHFIRE RISK AREAS

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

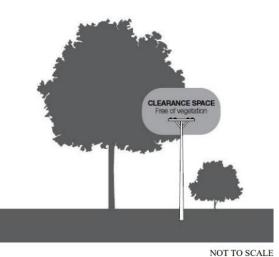
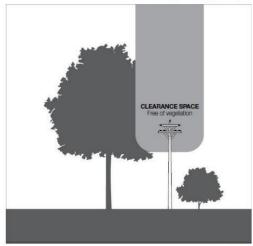


FIGURE 5 – UNINSULATED 66 000 VOLTAGE ELECTRICAL LINE IN A LOW BUSHFIRE RISK AREA Clauses 27, 28 and 29, Graphs 4, 5 and 6



NOT TO SCALE

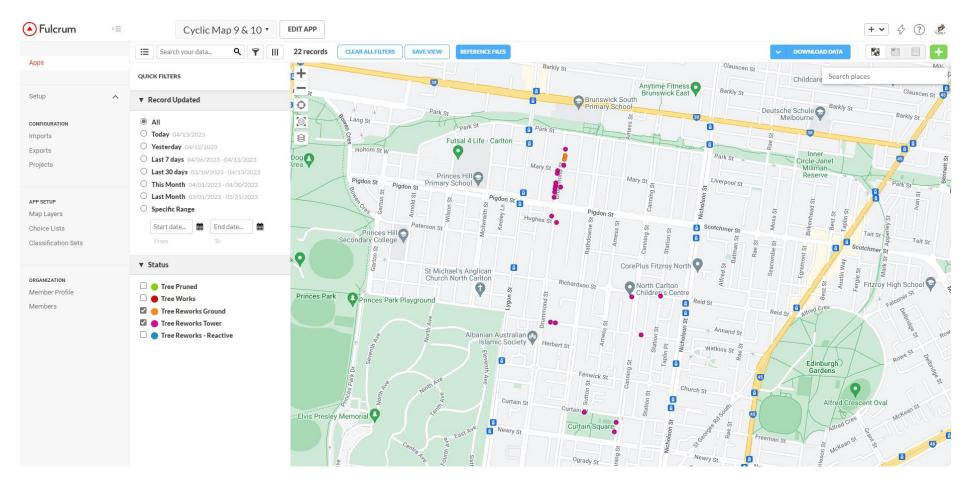
### Appendix 4 – Cyclic Pruning Program Timeframe

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.

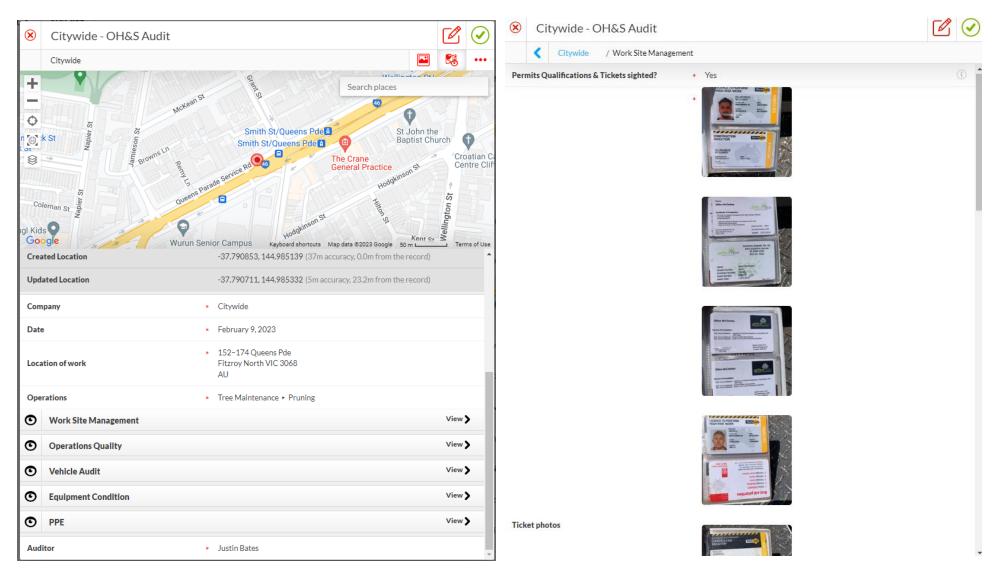
Trees | Yarra City Council

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

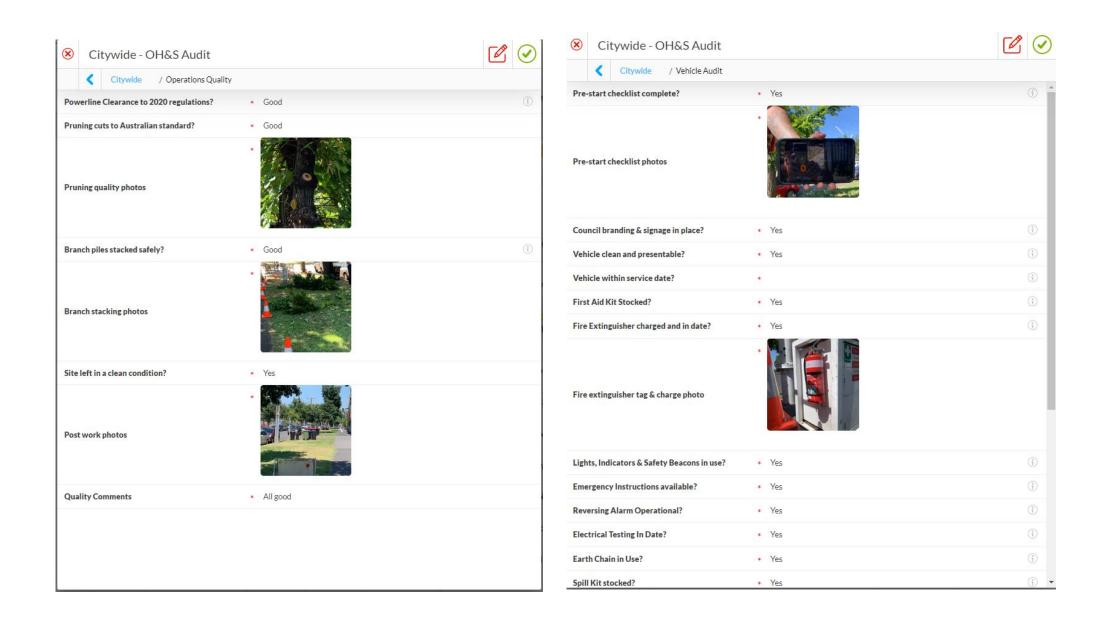
#### Appendix 5.1 – Pruning Audit Form







⊗ 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 available? Yes					
SWMS Active	<ul> <li>Chainsaw, Manual Handling, Overhead Powerlines HV/LV, Pruning Saws, Tower / EWP</li> </ul>		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     Yes				
Traffic flow around worksite safe & smooth?				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			⊗ Citywide - OH&S Audit		
Citywide / Equipment Co	ondition		Citywide / PPE		
Manual Tools in serviceable condition?	<ul> <li>Yes</li> </ul>	(1)	Gloves required/worn?	• N/A	( <sup>†</sup> )
Fuel stored safely?	<ul> <li>Yes</li> </ul>	(	Footwear in good condition?	<ul> <li>Yes</li> </ul>	(1)
			Sun Protection available in vehicle?	<ul> <li>Yes</li> </ul>	
	1 Pe. 48		Helmet in service date?	* Valid	Î
			Eye Protection required/worn?	<ul> <li>Yes</li> </ul>	(i)
			High Viz Gear being worn?	<ul> <li>Yes</li> </ul>	
quipment Pics			Harness/Lanyard in service date?	<ul> <li>Yes</li> </ul>	î
quipment Pics			Chainsaw Chaps serviceable/worn?	* Yes	(î)
			PPE Pics	-	
Equipment Comments	* All good		PPE Comments	All good	

### Appendix 6 – Skills Report

Skills Report								
Report: Skills Report for Citywide Learning								
report. Skills Report for city inde Learning								
First name	Last name	Employee Number	Work Role	Skill Name	Achieved Date Ex	piry Date	Notes	
Xxxxx	XXXXXX	805XX	Supervisor/EWP/Climber Cutter	ESI Certificate 2 - UET20312	21/05/2015			
				EWP Escape & Rescue - UETTDRRF08B	18/07/2019			ESI Certificate 2 - UET20312 and UET20319 minimum competency requirements - EWP Cutter
				First Aid	17/04/2019	16/04/2022		AHCARB205A - Operate and maintain chainsaws
				Fire Warden	4/09/2019	3/09/2022		AHCPCM201A - Recognise Plants
				Traffic Management	22/09/2019	21/09/2022		UEENEEE101A - Apply Occupational Health and Safety regulations, codes and practices in the workplace
				Provide First Aid - HLTAID003	18/04/2019	18/04/2022		UETDREL13A - Comply with sustainability, environmental and incidental response policies and procedures
				CPR - HLTAID001	29/06/2020	28/06/2021		UETTDREL14A - Working safely near live electrical apparatus as a non-electrical worker
				ESV Refresher - ESVAPPROACH, ESVSAFETY, ESVVICINI	29/06/2020	28/06/2021		UETTDRVC23A - Plan the removal of vegetation up to vegetation exclusion zone near live electrical apparatus
				HR Licence		28/12/2022		UETTDRVC25A - Use elevated platform to cut vegetation above ground level near live electrical apparatus
				Driving Licence		28/12/2022		UETTDRVC27A - Monitor Safety compliance of vegetation control work in an ESI environment
								UETTDRVC33A - Apply pruning techniques to vegetation control near live electrical apparatus
Ххххх	XXXXXX	824	105 Team Leader/EWP Cutter	ESI Certificate 2 - UET20312	10/10/2017			
				ESV Refresher - ESVAPPROACH, ESVSAFETY, ESVVICINI	30/06/2020	30/06/2021		ESI Certificate 2 - UET20312 and UET20319 minimum competency requirements - Climber Cutter
				CPR - HLTAID001	20/07/2020	20/07/2021		AHCARB205A - Operate and maintain chainsaws
				EWP Escape & Rescue - UETTDRRF08B	26/07/2020	26/07/2021		AHCPCM201A - Recognise Plants
				EWP Licence	12/07/2018	11/07/2023		UEENEEE101A - Apply Occupational Health and Safety regulations, codes and practices in the workplace
				Fire Warden	27/03/2019	26/03/2022		UETDREL13A - Comply with sustainability, environmental and incidental response policies and procedures
				MR Licence		16/08/2022		UETTDREL14A - Working safely near live electrical apparatus as a non-electrical worker
				Driving Licence		16/08/2022		UETDRVC21A - Use climbing techniques to cut vegetation above ground near live electrical apparatus
								UETTDRVC23A - Plan the removal of vegetation up to vegetation exclusion zone near live electrical apparatus
Хххх	XXXXX	836	587 Chipper Operator	ESI Certificate 2 - UET20319	10/09/2020	10/09/2021		UETTDRVC25A - Use elevated platform to cut vegetation above ground level near live electrical apparatus
				Traffic Management	14/10/2019	14/10/2022		UETTDRVC27A - Monitor Safety compliance of vegetation control work in an ESI environment
				Operate & Maintain Chainsaws	8/07/2020			UETTDRVC33A - Apply pruning techniques to vegetation control near live electrical apparatus
				HR Licence		21/04/2021		UETTDRVC34A - Undertake release and rescue from a tree near live electrical apparatus
				Driving Licence		21/04/2021		
				EWP Licence	17/08/2020	17/08/2025		

### 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>