



# Townscape, Road Verge and Public Open Space Management Plan

## 2025 - 2035



| DATE                           | VERSION | By WHO                   |
|--------------------------------|---------|--------------------------|
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| 12 <sup>th</sup> February 2025 | Two     | CEO – Raymond Griffiths  |

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## EXECUTIVE SUMMARY

The Shire of Kellerberrin Townscape, Road Verge, and Public Open Space Management Plan (TVPMP) outlines the strategies and actions required to meet the community of Kellerberrin's aspirations outlined in the Shire of Kellerberrin's 'Strategic Community Plan 2022 -2032' (SCP).

As a result of the consultation process, the community of Kellerberrin identified a number of strategic priorities appropriate to the management of the Shire's amenity and services. These included the delivery of effective services critical to maintaining the Shire as one that will continue to attract residents, businesses and tourists.

The Shire will continue to engage with key stakeholders to plan for future needs and deliver the strategy objectives in the SCP. The Shire's primary objectives are to meet health and environmental responsibilities, ensure cost effective service delivery to improve amenity and promote the attractiveness of the district.

Key issues affecting service delivery include:

- Townscape Amenity – preventing properties and road verges from appearing unsightly and/or untidy.
- Main Street / Highway Amenity – preventing properties and road verges from appearing unsightly, untidy, and ensuring windows and external doors are covered over appropriately when required.
- Waste Management – avoiding rubbish and landfill by encouraging increased recycling and diversion of waste from landfill.
- Working with business and householders – to ensure the amenity of the Shire of Kellerberrin is kept at an appropriate standard, in accordance with the Community of Kellerberrin's goals and aspirations outlined in the SCP.
- Public Open Spaces and future service capacity – ensuring that services and infrastructure meet the needs of the current and future population in a cost effective manner.

The Shire has direct responsibility and control over many facilities and services through its own operational practices. It also has the ability to influence other sectors of the community through its policies and development approvals processes. The TVPMP outlines actions which have been developed into an implementation action plan by the Shire to support the delivery of the TVPMP.

The actions have been developed under the themes of:

1. District Amenity
2. Public Open Spaces and Infrastructure
3. Community and Economic Development
4. Waste Management (refer to Waste Management Strategy & Business Plan)

There are also a number of overarching actions related to delivery of the TVPMP, these include ensuring the Shire's strategies and policies integrate community goals and the delivery of services, reviewing funding structures, as well as monitoring and reporting of services delivered. This TVPMP sets the framework for delivering best practice solutions to maintain a clean, safe and attractive Shire.

## INTRODUCTION

Providing sustainable cost effective management solutions to address community aspirations is a major challenge for every Australian council. The Shire of Kellerberrin has undertaken internal consultation to develop this strategy, which is designed to meet the current and future needs of the Shire.

This strategy outlines the current context and issues for the Shire. It identifies objectives and actions that establish the foundations for the Shire to promote a safe, attractive district with appropriate amenity for the whole community.

Delivering sustainable solutions will require Council working with a wide variety of residents, businesses, developers and companies within the region.

## OBJECTIVES

The following objectives were considered in the drafting of the TVPMP:

1. **Ensure** the Shire's fundamental public and environmental health obligations and responsibilities remain a priority in strategic and policy considerations.
2. **Improve** amenity while maintaining appropriate service levels for customers and facility users by implementing innovative programs, that ensure value for money and promote sustainable practices.
3. **Maximise** opportunities to enhance amenity throughout the Shire through community engagement and cooperation, with a focus on minimising hazards, waste, pests and vermin, while promoting economic development and tourism.
4. **Develop** townscape, road verge and public open space management practices and policies that establish and uphold appropriate standards.
5. **Contribute** to the achievement of the community's goals and objectives in the SCP, by incorporating quantitative and time based targets, where practicable.

## BACKGROUND

The Shire has a community leadership role in ensuring it continues to develop and flourish without compromising future generations. Delivery of effective community management and services is critical to maintaining the Shire as an attractive destination for residents, businesses and tourists. The TVPMP addresses growing pressures on the Shire and outlines how management and services can be efficiently delivered into the future.

In the context of this TVPMP, services and management refer to preserving and promoting visual amenity, preventing waste hazards, and controlling vermin and pests, while ensuring cost effective public infrastructure is available for current and future generations.

The Shire of Kellerberrin does not have direct control over all services and management practices within its boundaries. The TVPMP aims to influence outcomes in areas beyond the Shire's direct control, while adopting best practices for those within its operational responsibility.

## EXISTING POLICIES & REGULATIONS

At a State Government level, the main policy drivers affecting this management plan are:

- The Waste Avoidance and Resource Recovery Act 2007;
- The WA Waste Strategy 'Creating the Right Environment';
- Various Environmental Health and Building Acts, Codes and regulations; and
- An assortment of anti-littering laws and regulations.

At a Local Government level, the main policy drivers affecting this management plan are:

- The Local Government Act of WA 1995 as amended;
- The Shire of Kellerberrin 'Strategic Community Plan 2022 -2032'
- The Shire of Kellerberrin's existing policies and strategies regarding hazard reduction, planning, building, waste management, and public infrastructure.

The Shire of Kellerberrin has followed the legislated Western Australian Local Government model for the integrated planning and reporting framework. Community and economic development will continue to be integrated into this planning framework as per flow chart provided:



## STRATEGIC COMMUNITY PLAN 2022 - 2032

The community identified and supported the services provided by the Shire of Kellerberrin in developing the 2022 – 2032 Strategic Community Plan.

All local governments across Western Australia provide a variety of services; some are categorised as core services, whilst others could be referred to as discretionary services or services that councils elect to make available to the community.

Generally, local government provides core services such as roads, storm water management, waste management, building maintenance, and streetscape maintenance, but are now also venturing into the provision of services that benefit the community socially, economically, environmentally, and culturally.

In summary, the Shire of Kellerberrin provides the following core services to our community:

- general engineering and public works, such as the design, construction and maintenance of assets for storm water, local roads, footpaths, parks and gardens, streetscapes, and solid waste management;
- provision and maintenance of recreational facilities, such as public pools, recreation centres, and community halls;
- provision of health services, such as food and safety, animal welfare / control and noise management;
- provision of community services and assistance in provision of a local doctor;
- provision of emergency services;
- environmental management;
- building and facility maintenance and management;
- building inspection and approvals;
- strategic, regional and town planning and development;
- economic development and tourism; and
- provision of arts and cultural services, including maintenance of facilities and buildings, such as libraries and museums.

In addition to these, our Council also provides services to:

- undertake planning at a local and regional level for the long term development of the Shire region;
- represent the community at a regional level, lobbying, advocating, communicating, coordinating and collaborating with other local, state, federal and regional organisations, where appropriate;
- promote, express and communicate the community's vision, objectives, concerns, and initiatives to other levels of Government;
- provide facilities, services and programs that improve the welfare of the community and the region socially, economically and environmentally, as well as enhance the general amenity of the area to attract and benefit the community members and visitors; and
- manage resources efficiently and effectively to deliver services, programs, and infrastructure to the community.

Our Council's goal is to be acknowledged as a responsive, transparent, ethical and accountable organisation, recognised as a leader and voice for the community that provides quality services to our residents and visitors.

The community of Kellerberrin goals and aspirations outlined in the Shire of Kellerberrin '*Strategic Community Plan 2022 -2032*' included:

- **Strategic Priority and Goals 1: Lifestyle** - To create a comfortable, inviting and welcoming lifestyle that is in keeping with the natural environment and cultural and historical heritage of the Shire.
- **Strategic Priority and Goals 2: Sustainability** - To live in a region that promotes sustainable economic, social and environmental development and growth.
- **Strategic Priority and Goals 3: Leadership** -To be led by an open, honest and transparent government.
- **Strategic Priority and Goals 4: Prosperity** - To develop a community that fosters and encourages long term prosperity and growth and presents a diverse range of opportunities.

Some Shire strategies that this TVPMP aligns with include: the Strategic Community Plan 2022, Long Term Financial Plan 2023 - 2038, Corporate Business Plan 2025 - 2030, Asset Management Plan 2023 – 2037 and Waste Management Strategy & Business Plan 2025 - 2035.

As a result of the consultation process, the Community of Kellerberrin identified a number of strategic priorities and goals associated with community services and operational management:



| Council Strategy   | Measurement of goals   |
|--|--|
| <p>1.1 We are a vibrant and viable, culturally diverse and engaging and unified community with strong links to history, culture and the creative arts.</p>                 | <p>To promote Doodlakine &amp; Kellerberrin's history and encourage sharing of cultures and knowledge.</p> <p>To foster an environment that celebrates the diversity of the community.</p> <p>Work with the local, regional, state and federal government bodies to encourage the growth of local, regional and indigenous arts, culture and history.</p>  |
| <p>1.2 Present the Shire with high visual and aesthetics, appealing to neighbouring Shire Councils and visitors.</p>   | <p>To create visually appealing and inviting public and recreational places that complies with good planning and design principles.</p> <p>To actively participate in local and regional tourism groups as well as ensuring we push our Shire as a destination point.</p> <p>To lobby state and federal government for funding support to develop community and public facilities and provide improved services for the community and visitors.</p>  |
| <p>1.3 Establishing/maintaining and enhancing the aesthetics and the natural environment within our Shire.</p>   | <p>Compilation of Townscape Beautification plan and public space strategy that will activate streetscapes and provide an environment for all to enjoy in the town sites of Kellerberrin and Doodlakine.</p> <p>Research the environmental risks and factors that could potentially affect the local environment and develop strategies and programs to mitigate.</p> <p>Lobbying and working with State, Federal and external parties to maintain/enhance the natural environment to ensure the sustainability of the natural environment.</p> |
| Council Strategy   | Measurement of Goals   |
| <p>2.1 Strengthen the economy through business development therefore increasing the opportunity of employment</p>  | <p>Support local businesses to drive business development in partnership with the Shire and other stakeholders.</p> <p>Be a business friendly Shire that aligns itself with businesses that have the potential to locate in Doodlakine and/or Kellerberrin.</p> <p>The Shire to advocate for business development through promoting 'shop local', attracting tourism and giving local business a presence.</p>   |
| <p>2.2 We are a Shire that respects and aims to preserve the quality of the natural environment and rural landscape and promote environmentally sustainable practices.</p> | <p>To raise awareness and interest of the natural environment and key factors affecting the environment.</p> <p>To work with organisations to promote actions to enhance the environment.</p> <p>To promote opportunities to encourage sustainable environmental practices across the Shire.</p>   |



- 2.3 Maintain transport services and foster relationships for infrastructure improvements with key stakeholders. Fostering a relationship with Main Roads WA for the continued upkeep/maintenance of the highway through the township.
- Maintain and improve current transport service provisions within the Shire
- Maintaining good working communications with Wheatbelt Secondary Freight Network (WSFN) for maintenance/upgrade of approved freight routes.

| Council Strategy  | Measurement of Goals   |
|---|--|
| 3.1 Effective mechanisms for community representation in key decision-making  | <p>Design and establish mechanisms for engagement by residents/ businesses/ groups (as applicable) in major decisions over the period of each Corporate Business Plan</p> <p>To collaborate with community members, groups, and external parties to create an inviting space for the enjoyment of all community members.</p> <p>The promotion of Councils Corporate Documents for community input and feedback through proactive advertising</p> |
| 3.2 Our Elected Representatives and Council employees to provide effective, respected and progressive leadership                | <p>To lead and govern in a fair, transparent, ethical and responsive manner.</p> <p>To actively engage and consult with the community to ensure they have the opportunity to have a say and be heard.</p> <p>To actively pursue a positive community spirit and support.</p>   |
| 3.3 Provide informed and transparent decision making that, meets our legal obligations, and the needs of our diverse community. | <p>Mark the performance against our targets in the Strategic Community Plan and Corporate Business Plan.</p> <p>To inform community members and external parties on how we are meeting our targets.</p> <p>To actively promote Council decisions to ensure transparency is provided to the community.</p>  |

## 2022 Community Consultation

The Department of Local Government guidelines and legislation require all plans to be updated on a cyclic basis. In 2022, the Shire undertook an extensive review of the Strategic Community Plan and undertook community consultation, to prepare an updated Strategic Community Plan (SCP). The updated SCP was adopted by Council in September 2022. The strategic priorities in the SCP, developed by the Community of Kellerberrin, identified the need to *present a Shire with high visual and aesthetic appeal to neighbouring Shire Councils and visitors*. As the achievement of this aspiration requires appropriate services and management, it provided the foundation for the development of this TVPMP

## GUIDING PRINCIPLES

### Safety And Compliance

Streetscapes will be safe for pedestrians, cyclists, vehicular traffic and maintenance workers. The heights of plant species, setbacks, characteristics of species, and ongoing maintenance requirements will be considered in each design. Streetscape landscaping will be designed and maintained with relevant legislation and guidelines from all agencies, along with community consultation where appropriate and feasible.

### Serviceable

Ongoing maintenance and management of streetscapes can be resource-intensive and costly. Areas less than 5m<sup>2</sup> or 300mm in width are generally unsuitable for landscaping. Consideration will be made on the species selection, arrangement, supporting infrastructure and replacement needs when designing new streetscape installations and upgrades.

### Shade And Amenity

Trees will be incorporated into streetscapes to provide shade and canopy without impacting the road network's infrastructure or footpaths, provided affected residents agree.

Streetscape landscaping of cul-de-sac ends, verges and median should create an enjoyable walking, cycling, or driving experience and enhance the amenity of the surrounding neighbourhood.

### Success And Sustainable

Our local streetscapes are harsh environments to grow and maintain healthy, attractive and flourishing vegetation. When designing new infrastructure and landscapes, consideration will be given to life-cycle implications, including cost and environmental impacts. Species that are drought tolerant, low maintenance, and highly attractive will be preferred. Infrastructure that supports vegetation growth will be a key consideration when designing roadways and footpaths.

## DESIGN ELEMENTS

| Asset Category  | Relevance to streetscape enhance opportunities by asset category.  |
|---|--|
| <b>Structures</b><br>For example, footpaths, drainage systems, overhead power lines, streetlights and utilities.                                      | When designing streetscapes, consideration will be given to alternative tree-friendly infrastructure designs that facilitate street trees' successful establishment and long-term viability. This includes infrastructure within the streetscape and immediate interface.<br><br>Underground power will be considered when opportunities arise through the Western Power renewal programs and major infrastructure upgrades  |
| <b>Surface Materials</b><br>For example, concrete, asphalt, permeable material (including mulch), and block paving.                                   | Surface materials will be considered in combination with the plantings asset category (see below), selecting materials that assist in minimising heat and support the successful establishment of vegetation while ensuring the asset remains sustainable.   |
| <b>Plantings</b><br>For example, street trees, medians, verges, and entry statements.   | The Shire will ensure there is a focus on selecting plants that provide amenity, have low maintenance requirements and are Waterwise when completing road construction works.  |
| <b>Infrastructure Components</b><br>For example, street infrastructure components include bins, bollards, lighting, signage, banners, and public art. | Infrastructure in this strategy will be treated in the following way: <ul style="list-style-type: none"> <li>• Bins, speciality lighting (for example, uplighting or bollard lighting), signage and banners will be considered when designing entry statements and activity centres.</li> <li>• Beyond parks, playgrounds, sporting ovals and reserves, streetscaping, community gardens and a range of other open spaces will be expected to have a modern streetscape.</li> <li>• Bollards will be considered in combination with plantings and for cul-de-sac heads, and the Shire will investigate options that achieve an improved amenity outcome (as opposed to bollards).</li> <li>• Public art will be considered for entry statements and town centre as opportunities present.</li> </ul> |

## ISSUES & STRATEGIES

The delivery of Shire services has evolved beyond its traditional roles of road maintenance, stormwater management, waste management, building maintenance, and streetscape maintenance to include services that benefit the community socially, economically, environmentally, and culturally.

This includes the provision of appropriate management strategies to ensure the Shire's facilities and amenity continues to attract residents, businesses and tourists. There are a number of issues and challenges for the Shire in facilitating and delivering sustainable community management and services. The issues are summarised under the key themes below;

## Laneways

### Issue

There have been incidents of community members disposing of waste in access laneways. This is not permitted for public health and safety reasons.

### Strategy

The Shire of Kellerberrin will contact community members (if known) and request the removal of the rubbish. Where the householder is unable to arrange this, the Shire will remove the rubbish and charge the householder the associated costs. The Shire may also prosecute community members who dispose of waste in access laneways.

### Issue

There have been issues with drainage, design shortfalls, pavement failure and overgrowth on laneways throughout the Shire.

### Strategy

The Shire of Kellerberrin will provide an ongoing maintenance program to upgrade laneways in association with road construction to ensure drainage and pavements are suitable and don't impact surrounding residences. As part of the ongoing maintenance program, town crew will ensure laneways are free of weeds and debris by spraying and mowing where applicable.

## Townscapes, Illegal Dumping & Avoiding Landfill

### Issue

There have been incidents of:

- Community members storing rubbish, car bodies and other items of hard waste in their front and back yards, as well as on road verges.
- Buildings having missing and/or broken windows, external doors and/or fencing.
- Illegal dumping of rubbish

These incidents are not permitted for public health and safety reasons. Additionally, they are not permitted for amenity and townscape reasons.

### Strategy

The Shire of Kellerberrin will attempt to rectify these issues to the best of our ability by liaising directly with the offending community members, owners and/or occupiers (if known). If issues cannot be satisfactorily resolved, the Shire of Kellerberrin will refer to the procedures set out in the *Local Government Act 1995*, under sections 3.1 and 3.25.

The Shire of Kellerberrin is also supportive of the policy drivers affecting the waste strategy such as the *Waste Avoidance and Resource Recovery Act 2007* and the WA Waste Strategy 'Creating the Right Environment'.

The Shire of Kellerberrin provides recycling collection facilities for residents and the waste transfer station facility. In addition, the Shire of Kellerberrin supports the drum muster collection program, which was gifted to the 'Mens Shed' organisation as a fundraising initiative.

## Main Street & Highway Frontage

### Issue

The main street and townscape frontages along the highway are the first things that residents, business owners, visitors, and potential investors see. A well-maintained streetscape is essential for making a positive first impression, promoting tourism, and supporting economic development.

However, many building facades are in poor condition due to their age and the design of the cantilevers, particularly the undersides. This results in an unsightly and untidy townscape, which conflicts with the Community of Kellerberrin's goals and aspirations outlined in the SCP.

### Strategy

The Shire of Kellerberrin is developing guidelines for funding assistance to help local businesses upgrade these structures. This funding, subject to co-contributions, would support property owners in renewing or upgrading the cantilever structures that cover the main street footpath. External funding opportunities may further enhance the feasibility of these upgrades.



*Example of damaged underside of cantilevers.*

## Public Health - Vermin and Pest Control

### Issue

There have been incidents of some owners and/or occupiers failing to control vermin populations such as mosquitos, cockroaches, feral cats, pigeons, rats and mice. This is not permitted for public health and safety reasons.

### Strategy

The Shire of Kellerberrin will attempt to rectify these issues to the best of our ability by liaising directly with the offending community members, owners and/or occupiers (if known). If issues cannot be satisfactorily resolved, the Shire of Kellerberrin will refer to the procedures set out in the *Local Government Act 1995*, under sections 3.1 and 3.25.

Where the owners and/or occupiers do not arrange this in the required time frame, the Shire may remove the rubbish and/or arrange for appropriate pest control measures to be implemented and charge the owners and/or occupiers the cost of providing this service.

## Public Open Space

### Issue

Maintaining public open spaces cost effectively and at an appropriate level is an ongoing challenge. This is a priority for the community, as identified during the community consultation phase when the SCP was developed.



Shire of Kellerberrin, Main Road Amenity and Appropriate Public Open Space.

### Strategy

Public Open Spaces will be developed and/or maintained in a manner that meets the needs of the current and future population and includes;

Implementing water wise and low maintenance features wherever possible, such as native plants and artificial grass. As well as ensuring that cost effective and durable materials are used where practicable. For example, installing durable and aesthetically pleasing signage. And ensuring the areas amenity is maintained at an appropriate level to meet the community's aspirations to present a locality with high visual and aesthetic appeal to neighbouring Shire Councils and visitors.



Example of Shire of Kellerberrin signage.



## Road Verges & Power Lines

### Issue

The Shire has an ongoing annual road work and footpath program. The cost of maintaining and renewing roads and footpaths has become increasingly expensive. In addition, many roads and footpaths are being damaged by tree roots. There is also a significant hazard for Shire staff when trimming trees to avoid power lines, and significant costs to the community if the State power authority undertakes this work instead.

The management of vegetation near powerlines and adherence to associated regulations is very expensive and onerous for Councils. Council is guided by the Department of Mines, Industry Regulation and Safety, by utilising their resource Guidelines for the management of vegetation near powerlines. The information in this guideline is provided for local government bodies, landowners/occupiers and state government agencies in accordance with Appendix Three

### Strategy

When upgrading roads in town sites, trees under power lines will be removed from road verges and may be replaced with native tree species, shrubs and/or grasses utilising species listed in Appendix Two.

When upgrading roads and footpaths in town sites, trees with aggressive root systems such as river gums, or trees too close to the road kerbs and/or footpaths that are already damaging roads and/or footpaths, will be removed from road verges and maybe replaced with native shrubs/trees and grasses in accordance with Appendix Two.

Replacement footpaths will be wide enough to accommodate gophers and provide wheelchair access where practicable.

Footpaths will be constructed 2m from the edge of road surface to provide sufficient space between the footpath and ratepayer boundaries. This space will allow for planting of native vegetation, trees, shrubs and/or grasses in conjunction with the landowner in accordance with Appendix Two.

Footpath construction will also incorporate 6m crossovers with wings for driveway access to properties. Each property will be provided with one 6m x 2m crossover. Any additional works or multiple crossovers will be provided at a cost recovery to the ratepayers.



## NEXT STEPS

Delivering these strategies relies on a large number of stakeholders. It will need constant and gradual implementation and review. This section outlines some of the overarching considerations for facilitating the delivery of the TVPMP. In addition, an action plan (Appendix 1) has been developed to complement the strategy.

## Funding

The Shire of Kellerberrin will continue to fund the delivery of appropriate community and land management and services through the budget process, to provide;

- Public Open Space and Infrastructure
- Waste Management
- Community and Economic Development

## Monitoring

The Shire of Kellerberrin will continue to collate data regarding the volume of waste being collected and recycled; as well as undertake its annual bin audit to ensure appropriate waste disposal fees are being collected to fund the management services. (Refer to the WMS&BP 2016 -2026)

As always, the Shire will conduct inspections to ensure landholders are not storing rubbish, used car bodies, or hard waste in their yards or on the road verges, and that pests are being adequately controlled. Additionally, the Shire will continue to monitor properties to ensure none pose a hazard, are untidy or unsightly.

## Implementation

This section contains an implementation plan for the actions outlined within the TVPMP. It is proposed that the actions be implemented using Shire staff. Some of these actions can be undertaken using existing resources, however there are a number of actions that will require additional internal resourcing support.

A key for the following Strategy Implementation Plan is as follows:

- **Action #:** Action number as outlined in the TVPMP
- **Who:** indicates the role within the Shire of Kellerberrin that is responsible for implementing the action, with assistance of other sections as appropriate.
- **Year:** indicates the financial year that the work is to be undertaken.

## APPENDIX ONE: Shire of Kellerberrin TVPMP Action Plan

| Actions   | Who       | By Year  |
|---|-----------|----------|
| Ensuring access laneways are kept free of rubbish, maintained for drainage and weed overgrowth. | MWS       | Ongoing  |
| Ensuring rubbish, car bodies and hard waste are not stored in town yards &/or on verges         | CEO       | Annually |
| Visible broken external doors and windows are attended to appropriate manner                    | CEO       | Ongoing  |
| Ensuring illegally dumped waste is dealt with appropriately                                     | MWS       | Ongoing  |
| Shire provides recycling facilities   | CEO       | Ongoing  |
| Ensuring properties along the highway do not detract from the districts amenity                 | CEO       | Ongoing  |
| Ensuring owner(s)/occupier(s) eradicate pests to control disease                                | CEO       | Ongoing  |
| Ensure Public Open Space developed and/or maintained to meet current and future needs           | CEO / MWS | Ongoing  |
| Ensure Road Verges developed and/or maintained to meet current and future needs safely          | CEO / MWS | Ongoing  |
| Reviews costing structures to ensure affordability  | CEO       | Annually |
| The Council adopts policies designed to promote the improvement of the districts amenity        | CEO       | 2025     |

## APPENDIX TWO: Suggested Species for Street Planting

**TREES:** M = of mallee (lignotuberos, multi-stemmed, re-sprouter) habit. T = tree (single or several stemmed, inconspicuous re-sprouter) habit or TM = of tree/ mallee (single stem, non-resprouter) habit. **YELLOW** are showy.

### TREES FOR UNDER POWERLINES TO STILL GIVE SOME SHADE:

| TREE SPECIES  | NAME                              | WHERE FROM                               | HEIGHT | FLOWERS  | COMMENTS                                   |
|---|-----------------------------------|--|--------|--|--|
| <i>E. alatissima</i> , M  | wing-fruite mallee, d             | Great Victoria Desert                    | 4m     | Yellow & red                                   | Outstanding                                |
| <i>E. armillata</i> , M   | flanged mallee                    | Wheatbelt                                | to 7m  | Red usual                                      | Outstanding                                |
| <i>E. caesia</i> subsp. <i>caesia</i> and subsp. <i>magna</i> M                   | caesia; silver princess           | Central wheatbelt                        | to 14m | Pink-red                                       | little shade                               |
| <i>E. cylindriflora</i> , M   | goldfields white mallee           |  | 1.5-6m | flowers white, Dec/Jan to March                | High crown thus good for visibility        |
| <i>E. deflexa</i> , M   | pendant mallee, Lake King mallee, |  | 1-3m   | Pink/cream white; March/May to Oct             | no shade but filler between taller species |
| <i>E. dolichorhyncha</i> , TM   | long-beaked fuchsia gum, d        | Esperance Plains                         | 1-5m   | Yellow; Jan to March                           |  |
| <i>E. educta</i> , M  | Jaurdi Hills mallee               | Coolgardie and N                         | 3-5m   | Cream-yellow, April                            | Minni-ritchi bark                          |
| <i>E. erythronema</i> subsp. <i>erythronema</i> M                                 | red-flower mallee, ed             | Wongan Hills; Southern Cross & S         | 2-6m   | Red; variable eg Oct to Feb                    | White trunk; honey; screening              |
| <i>E. forrestiana</i> , TM  | fuchsia gum                       | Esperance                                | 1.5-6m | Yell; variable, Jan to June                    |  |
| <i>E. grossa</i> , M  | coarseleaved mallee               | SE Wheatbelt                             | 0.5-5m | Yell-green; Aug to Nov                         |  |
| <i>E. incerta</i> M   | Mount Day mallee                  | Hyden/ Norseman                          | To 5m  | Yellow; Oct                                    |  |
| <i>E. kruseana</i> M  | Booklea mallee, f                 | Kalgoorlie                               | To 3m  | Winter/ early spring; Yellow with Grey foliage | fill-in between taller species             |
| <i>E. lansdowneana</i> M (SA)   | crimson mallee                    | Gawler Ranges, near Adelaide             | To 6m  | Autumn to spring; Pink crimson                 |  |
| <i>E. leptopoda</i> ssp. <i>leptopoda</i> M                                       | Merredin mallee, Tammin mallee    | Northern Wheatbelt                       | To 5m  | Creamy; Jan/ Feb                               |  |
| <i>E. lunata</i> M  | moon lagoon mallee                | Wheatbelt; Esperance Plains              | To 4m  | Summer; white                                  |  |
| <i>E. macrocarpa</i> , <i>macrocarpa</i> a <i>elanchantha</i> M subsp. and subsp. | mottlecah; small-leaved mottlecah |  | To 5m; | Spring to summer; red                          | subsp macro sprawls                        |
| <i>E. orbifolia</i> M   | round-leaved mallee               | Goldfields and central Australia         | To 8m  | Creamywhite-yellow                             | On islands; mini-ritchi bark               |
| <i>E. pimpiniana</i> M  | Pimpin mallee                     | Great Victoria Desert; on red sand dunes | To 2m  | Variable; yellow                               | very slow grower                           |
| <i>E. rhodantha</i> M   | rose mallee                       | Wheatbelt                                | 1.5-4m | Variable July to Jan; red                      |  |

|                  |                             |                       |        |                                       |   |
|------------------|-----------------------------|-----------------------|--------|---------------------------------------|---|
| E. rameliana M   | Giles's lost mallee         | Little Sandy Desert   | 4m     | May-June; yellow or red               |   |
| E. rosacea M     | Connie Sue mallee           | Great Victoria Desert | 4m     | Dec; pink                             |   |
| E. stowardii M   | fluted-horn mallee          | N -central Wheatbelt  | To 5m  | June, Aug, Sept; creamy white         |   |
| E. subangusta M  | grey mallee                 | Wheatbelt             | To 5m  | Variable Feb to Nov; white            |   |
| E. synandra M    | Jingymia mallee             | Wheatbelt             | 5-6m   | Creamy white to pink                  | Open crown                              |
| E. tenera M      | glazed mallee               | Central Wheatbelt     | To 5m  | Nov; lemon yellow                     |   |
| E. campaspe TM   | silver gimlet               | Goldfields            | To 10m | April, Aug, Dec; white                | On Islands                              |
| E. torquata TM   | coral gum                   | Goldfields            | 6-8m   | Dec; coral pink                       |   |
| E. victrix T     | smooth-barked coolabah      | Mid-West              | To 12m | Nov-March; creamy white               | Island; white bark ("Little Ghost gum") |
| E. websteriana M | Webster mallee s            | Goldfields-Esperance  | 3-5m   | Sept-Nov; yellow                      | Minni-ritchi bark; heartshaped leaves   |
| E. woodwardii TM | lemonflowered gum/ Gungurra | East of Kalgoorlie    | 6-15m  | Late winter to spring; lemon yellow   | White, pink, green bark; islands        |
| E. youngiana     | Large-fruited mallee        | N Goldfields          | 4-8m   | June-Oct; red, pink, or bright yellow |   |

**TREES FOR ALONG STREETS BUT NOT UNDER WIRES AND FOR ISLANDS TO PROVIDE GOOD SHADE:**

|                    |                             |                                |        |  |  |
|--------------------|-----------------------------|--------------------------------|--------|--|--|
| E. brandiana TM    | four-winged mallet          | Fitzgerald River National Park | To 5m  | Variable; bright pink                            | Highly ornamental; large leaves & flowers; hardy |
| E. brockwayi TM    | Dundas mahogany             | Southern Goldfields            | 5-20m  | Mar-June; white cream                            | Islands  |
| E. distuberosa TM  | capped mallet               | Norseman                       | 5-14m  | white  |  |
| E. formanii        | Die Hardy mallee            | Southern Cross                 | To 10m | Pretty pale green juvenile leaves; white flower. | Island; high canopy give good sightlines         |
| E. ornata TM       | ornamental silver mallet    | Southern Wheatbelt             | To 10m | Spring & summer; creamy white                    |  |
| E. salmonophloia T | salmon gum/ wurak           | Wheatbelt & Goldfields         | 4-30m  | Nov-to March; creamy white                       | Parks  |
| E. steedmanii TM   | Steedman's mallet           | Hyden/ Norseman                | 2-12m  | Jan-March; white                                 |  |
| E. stoatei TM      | scarlet pear gum            | N Esperance                    | 2-7.5m | Variable; Jul-Feb; yellow                        |  |
| E. stricklandii TM | Strickland's gum            | Coolgardie/Kal/ Norseman       | To 9m  | Nov-Dec; yellow                                  |  |
| E. vittata TM      | ribbon-barked mallet        | Goldfields                     | To 14m | Jan- March; creamy white                         |  |
| E. woodwardii TM   | lemonflowered gum/ Gungurra | East of Kalgoorlie             | 6-15m  | Late winter to spring; lemon yellow              | White, pink, green bark; islands                 |

## APPENDIX THREE: Guideline for trees under power lines

### Tree pruning near power lines

#### Clearances required from power lines

The basic rule for the most common situation in urban areas is that vegetation needs to be kept at least two metres clear to the side, and below of electricity conductors of **distribution** power lines. Vegetation should not overhang the conductors.

Larger clearances apply to **transmission** power lines and these are managed by the network operator.

Refer to the Appendix on page 16 for details of minimum vegetation clearances to be maintained around different types of voltages and conductors. Seek advice from the network operator before attempting to apply these clearances in a particular situation.

**Table A**

Minimum Clearance Zones – Low Voltage Conductors and High Voltage Conductors Less than 66,000 Volts

| Power line type  | Clearance Dimensions     |                        | Space<br>Branches permitted above power line |
|--|--------------------------|------------------------|--|
|  | Horizontal clearance (m) | Vertical clearance (m) |  |
| LV insulated cables eg service, communications and aerial bundled conductor (ABC)              | 0.3 <sub>2</sub>         | 0.3 <sub>2</sub>       | Yes  |
| HV - ABC, insulated unscreened conductor and bare running earth or return neutral conductor    | 1.0                      | 1.0                    | See note 3                                   |
| Bare street light wire , Bare service cable<br>Bare LV conductors, span <sup>1</sup> up to 70m | 2.0                      | 0.6                    | See note 3                                   |
| Bare HV conductors, span up to 70m   | 2.0                      | 2.0                    | See note 3                                   |
| Bare conductors - span from 70 up to 100m spans up to 70m in high fire risk areas              | 2.5                      | 2.0                    | See note 3                                   |
| Bare conductors - span from 100 up to 200m   | 4.0                      | 2.5                    | See note 3                                   |
| Bare conductors - span over 200m   | 5.0 <sub>4</sub>         | 2.5                    | See note 3                                   |

#### Notes to Table A

1. A span is the distance between two poles or between two towers.
2. A network operator can require this distance to be increased to 0.6 metres in areas subject to cyclonic weather conditions.
3. Vegetation is only permitted above the clearance space of network operator power lines, subject to a formal risk assessment, considering as a minimum:
  - a) if it is in a high fire risk area;
  - b) an opinion on the condition and suitability of the species of the vegetation by a recognised tree expert (eg Tree Surgeon, Arborist, Forester); and where an occupier is responsible for vegetation control the network operator may require the occupier to provide an opinion as in 3(b) and if granting permission, must do so in writing.
4. A formal risk assessment must be carried out where the conductor sag is greater than 4m, for spans above 200m.