

6.1.5 Energy and Climate Change

In a rapidly urbanising environment, it is fundamental to the prosperity, identity and lifestyle of PAC residents that the Shire commits to the protection and enhancement of the environment, to ensure it is sustainably managed for future generations to enjoy.

Environmental sustainability is integral to Pinjarra's ongoing liveability and prosperity. The vision for Pinjarra as an outstanding place for community, lifestyle and opportunities requires the embedding of sustainable practices into planning and decision-making. The Shire adopted an Environmental Sustainability Strategy in 2024 which contains a number of key actions that need to be considered for the future planning and development of the PAC.



Energy and climate action

- › Consolidate future urban growth toward existing settlements with a structure that encourages active transport modes.
- › Prepare Precinct Structure Plans for key Activity Centres that focus on encouraging increased walkability, cycling and public transport ridership.



Sustainable management of water

- › Implement water sensitive urban design initiatives in development and capital works projects..
- › Survey & model Pinjarra drainage network to identify opportunities for sustainable upgrades.



Conservation of biodiversity

- › Review the Local Planning Framework to identify opportunities to protect significant trees across the Shire.
- › Increase urban canopy through street tree planting program.
- › Develop a supporting planning framework to facilitate increased urban tree cover.
- › Investigate options for fauna corridors as part of road design.
- › The Environmental Sustainability Strategy commits to 40 percent canopy cover in urban areas by 2050.



Sustainable community

- › Create more access points to natural areas within the Shire.
- › Investigate opportunities for sustainable ecotourism.



Implementation

In addition to the above the following strategies should be adopted for structure planning and development within the DSP area:

Street layouts to maximise solar access and are responsive to the direction of prevailing winds.

- › Built form outcomes optimise passive solar orientation.
- › Developments to utilise renewable energy and energy efficient fixtures and fittings.
- › Developments to implement sustainable practices which reduce emissions and minimise waste products.
- › Developments to use of greywater systems, rainwater tanks and other water efficiency measures to promote the reuse and conservation of water resources and investigate options for water recycling on a larger scale to be used for the irrigation of public open space.
- › To help combat climate change and the impacts of UHI:
 - Require landscaping to be 'waterwise', planted with species which have low water usage, preferably of local native plant species, and utilising waterwise irrigation.
 - New development should contribute to the overall landscape of the PAC through soft landscaping/ softscape that incorporates trees and greenery;
 - New development should contribute to the overall landscape of the PAC through hard landscaping / hardscape that incorporate the material palette of Pinjarra.
- › Facilitate more sustainable modes of transport by ensuring the provision of a connected network of cycle paths and pedestrian pathways and improving access to public transport.