

Water's Role in Liveability

#justaddwater

Victorian communities expect their cities and towns to be liveable. Research by the Cooperative Research Centre for Water Sensitive Cities shows that cleverly combining water management with urban planning drives liveability.⁸

Helping Councils deliver

Irrigating shade trees can cool the ground by 2-3°C during the day and 4-5°C at night."

Irrigating grass can reduce the ground temperature by up to 20°C.¹⁰

Every 10% increase in tree cover can reduce ground temperatures from between 0.5°C and 1°C.10

COMMUNITIES CARE

Heatwave plans

Vegetation, especially trees, reduces the effect of heatwaves in cities. This cooling effect is influenced by tree health and water availability.

 Urban forest strategies and tree canopy targets

Adding street trees can improve neighbourhood character and aesthetics.¹² Stormwater runoff and quality targets



Managing water better in urban landscapes can reduce stormwater pollution in streams and make ecosystems healthier.⁴





Heat

- People are willing to pay for projects that reduce peak summer air temperatures by at least 2°C.¹
- Heatwaves are Australia's most deadly natural phenomenon.⁹
 Even decreasing high temperatures by 1-2°C can save lives.²

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Urban Amenity

- People are willing to pay up to 16% more for a house with greater access to green spaces.³
- >50% of people support the installation of raingardens in their street.⁴



Waterways

- Communities place a very high value on projects that improve the health of local waterways.⁵
- People are willing to pay more for a house close to a healthy waterway.⁶

References

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