

Hello
my name is

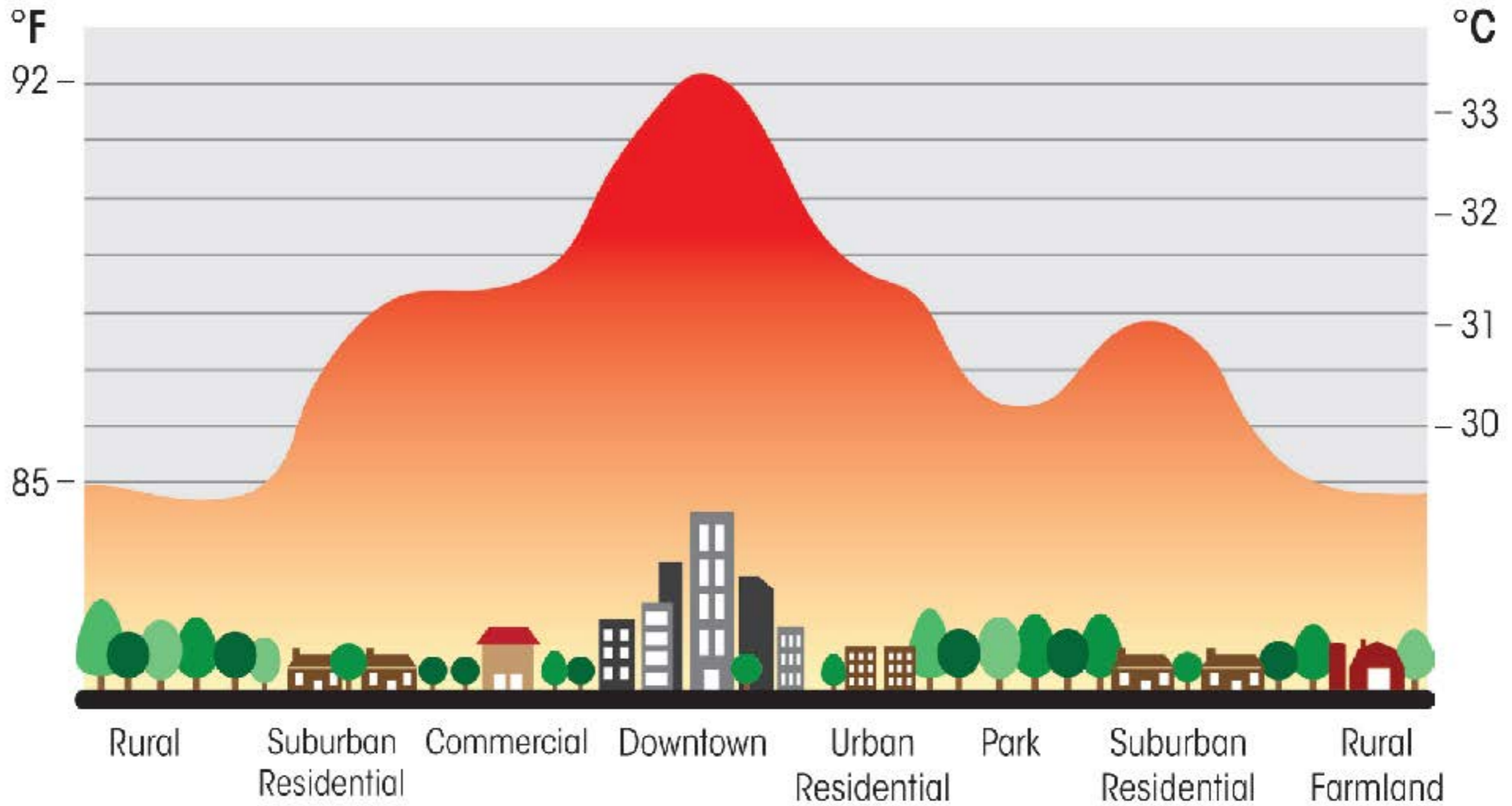
Ben







LATE AFTERNOON TEMPERATURE









20202020TM VISION

**20% MORE GREEN SPACES
IN URBAN AREAS BY 2020**

Who?



Government



Developers



Schools



Households













FINANCIAL REVIEW

2020 Vision



We need greener, more liveable urban spaces

Urban design A new initiative will increase green spaces in cities.

Urban design is a process and practice that shapes the way we live, work and play in cities. It is about creating a better quality of life for all city dwellers. It is about creating a better quality of life for all city dwellers. It is about creating a better quality of life for all city dwellers.

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From empty roofs to profitable gardens



New urban project has The Goods

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2020 VISION

MORE TREES AND PLANTS MEAN: People Heal Faster

REGI MARGILLIAC

2020VISION.COM.AU

New research finds Western Sydney has the highest potential for tree planting as NSW gets set to sizzle



THE AUSTRALIAN

Sustainable design prioritises use of green space, vegetation

Urban design A new initiative will increase green spaces in cities.

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The West Australian

Plant trees to beat the heat in summer: expert

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Herald Sun

Urban growth

Green city forests plan

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breaking news

Greener cities could ease climate impact





OUR CAPITAL CITIES AT A GLANCE

TREE CANOPY: HOW OUR CITIES* COMPARE



ARE WE COMPARING APPLES WITH APPLES?

The data in the table is based on the whole-of-city local government area (LGA) tree canopy cover. This is not a fair comparison as some LGAs have a higher percentage of green space than others. For example, the City of Sydney has a higher percentage of green space than the City of Brisbane. This is due to the City of Sydney's higher population density and the City of Brisbane's lower population density. The data in the table is based on the whole-of-city local government area (LGA) tree canopy cover. This is not a fair comparison as some LGAs have a higher percentage of green space than others. For example, the City of Sydney has a higher percentage of green space than the City of Brisbane. This is due to the City of Sydney's higher population density and the City of Brisbane's lower population density.



INCREASE TREE CANOPY COVER

- 1. City of Sydney (2015)
- 2. City of Brisbane (2015)
- 3. City of Melbourne (2015)
- 4. City of Perth (2015)
- 5. City of Adelaide (2015)

OPPORTUNITIES DUE TO GRASS-BARE GROUND

- 1. City of Wymondley (2015)
- 2. City of Warrington (2015)
- 3. Town of Gosford (2015)
- 4. Camden Council (2015)

WARD SURFACE HEAT

- 1. City of Murrumbidgee (2015)
- 2. City of Fremantle (2015)
- 3. City of Hume (2015)
- 4. City of Blackdale (2015)



dailytelegraph.com.au

Daily Telegraph
SYDNEY 11:21°C


NEWS SPORT ENTERTAINMENT BUSINESS LIFESTYLE VIDEO CLASSIFIED

BREAKING NEWS LOCAL NSW NATIONAL WORLD WEIRD TECHNOLOGY OPINION PUBLIC DEFENSE PHOTO WEATHER

NSW

Plan to cool down 'stinking hot' Penrith as heat map shows Western Sydney 'fry' zones

May 14, 2015 12:00am
LINDA SLMALIC The Sunday Telegraph



Parts of Western Sydney are really heating up

IT IS one of the hottest areas of Sydney — and now a scientific heat map has identified parts of Penrith, one of the hottest...

Most Viewed

- Homes at risk as river burst banks
- Minister bans school from screening gay film in class
- 'If it's not OK, go f---ing out somewhere else'
- Abbott says Q&As 'out of control'
- Brake smash with heavy trailer

More NSW

Courts
Killer thought victim had buried weapon under his house

Insurance claim
Gym sends injured man \$1,000 bill

Local syndicates
Five great Australian desert mystics

Troops unite
Karl fires up over high-vis ban



PENRITH
CITY COUNCIL



COOLING THE CITY STRATEGY
August 2015

PENRITH
CITY COUNCIL

penrithcity.nsw.gov.au

TREE COVER COMPARISONS

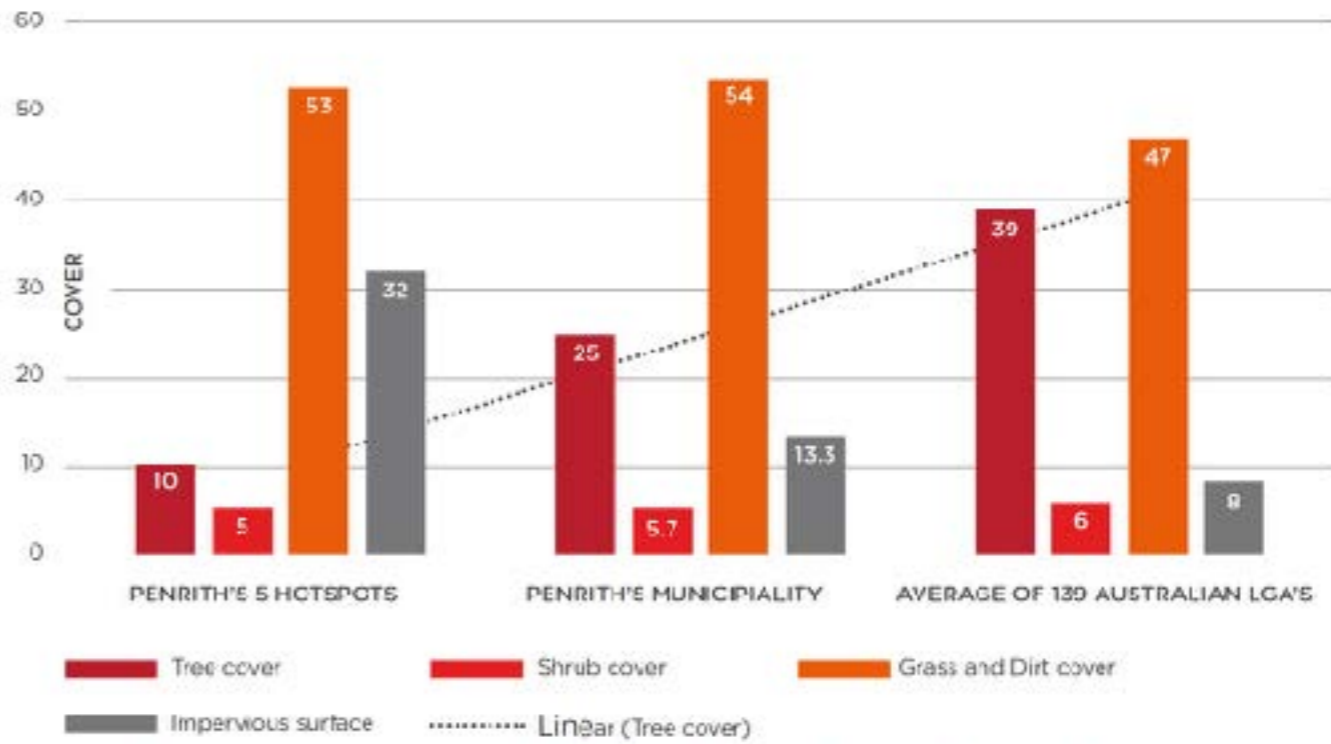


Figure 2: Tree canopy cover comparisons for Penrith and other Australian Local Government Areas

PENRITH

NEWSLOCAL
 SYDNEY 11-21°C

ALL NEWS SPORT WHAT'S ON COMPS DIGITAL EDITIONS REAL ESTATE

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Daily Telegraph

West

Penrith's plan to be cool

August 11, 2015 10:45am
 Lauren Tocolin Penrith Press



Alyssa, 7, and Sebastian Beatty, 10, of Emu Plains, hang out in shady Emu Plains. One of the only parks that has adequate tree shading.

SAMANTHA Smith said it was a breath of fresh air to hear that Penrith City Council is supporting the draft "Cooling the City Strategy" report, which was endorsed by the council on Monday.

The mum of eight-week-old Jaxon Portelli said it was about time there were plans to manage increased temperatures.

"Heat can have a detrimental effect on the body, especially young children and babies as their body temperatures do not regulate like an adults," Ms Smith said.

Most Viewed

- Uproar over Home and Away name
- The poorest man in the richest suburb
- Salim's REAL wedding was in Vaucluse
- Thieves filmed stealing dog statue
- No one should be isolated for their view: Bishop

More West

Next gen
 The wrestling school laying the smackdown

Real estate
 Struggle St rises: Green light for 10-storey complex

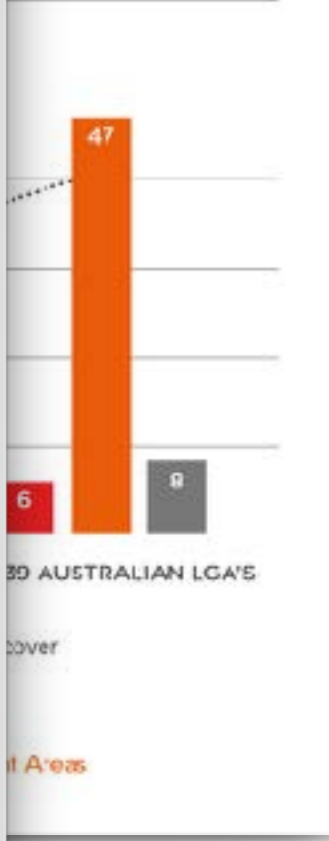
Celebrity chefs
 Foodie duo heading to St Marys

SportsFest
 SportsFest to offer fun time for all



COOLING THE CITY STRATEGY
 August 2015

PENRITH CITY COUNCIL



Urban Forest Strategy

You are here: Home > Council > Key council strategies > Urban Forest Strategy

An Urban Forest Strategy provides a framework for conservation and development of our trees and vegetation.

Objectives / benefits

Extreme temperatures associated with global warming are significantly impacting our cities and our well-being. The most effective way of combating this trend is to promote the greening of our cities, particularly through tree cover.

An urban forest is the culmination of the trees and vegetation population in an urban environment, taken whole across the public and private realm.

Current status

In progress

The West Australian

Local WA National World Full Coverage Opinion Galleries Health Business

Urban forests plan to cool cities

By Eileen | October 20, 2014, 5:40 am



Faced with the prospect of rising global temperatures and higher density living, Perth councils are taking steps to protect their trees.

Some, such as the cities of Vincent and Ravenscroft, have set targets to increase their tree canopy.

Others, such as the cities of Perth, Armadale and Belmont, have commissioned urban forest strategies to guide future tree numbers, type and location.

Driving the green push is growing evidence to show the environmental and health benefits of trees. There are also concerns the trend towards infill development will exacerbate the disappearance of green space. But experts say councils should not be solely responsible for boosting WA's tree numbers and a broader mentality shift is needed.

Helen Brown, director of health, safety and environment at Curtin University's school of public health, said trees performed "critical services" when it came to human health and the environment.

"One of the roles trees perform in cities is to reduce temperatures," she said. "They basically take the heat out of the environment."

OUR PICKS

Ditch gay marriage plebiscite: Shorton

Slip, snag gets sloppy

It shapes up as key poll battleground

Big wave kings climb surf summit

Map too duo cleanup

Abortion prayer vigils resume

Doctors alert over asbestos

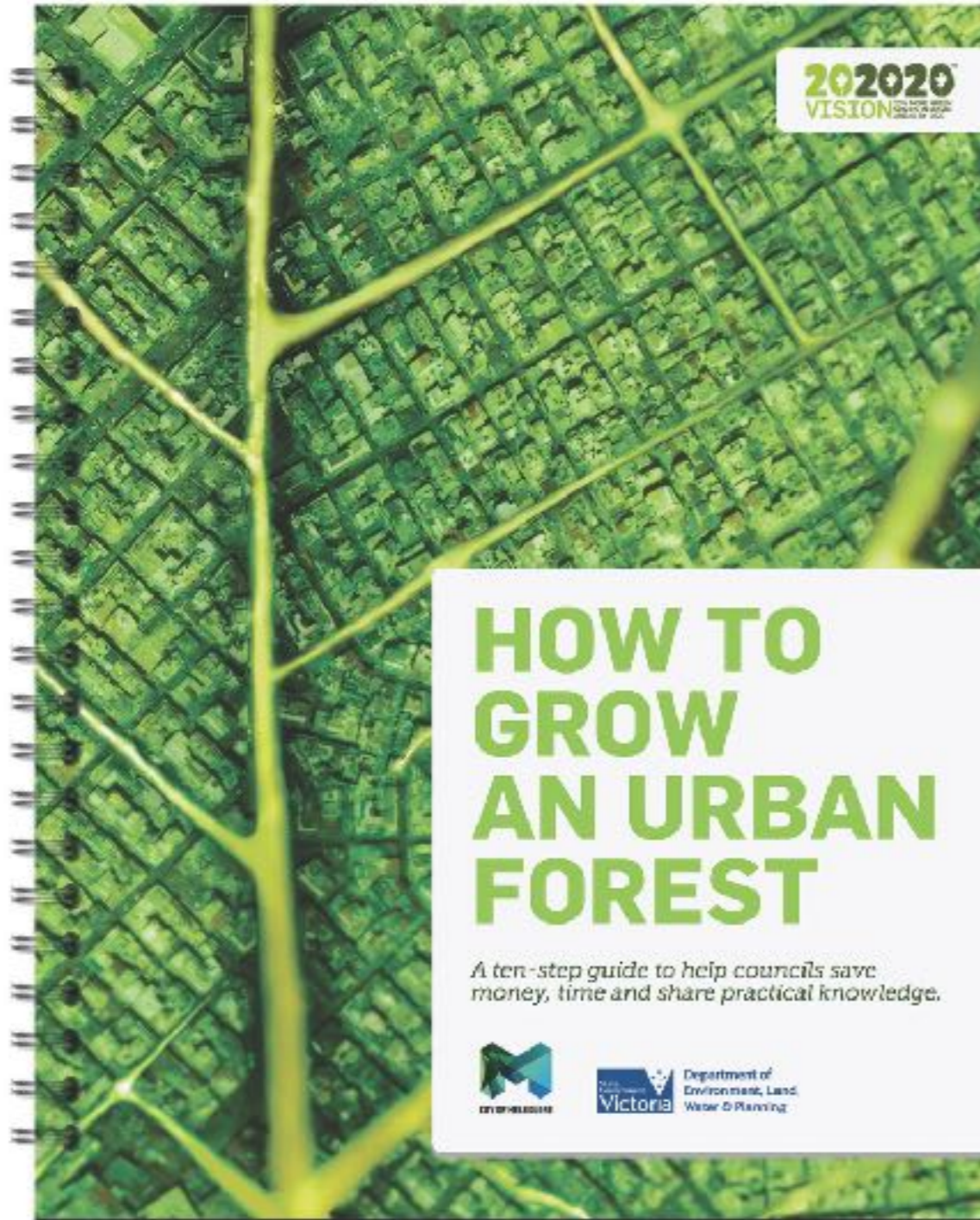
Family history turns to rubble

FOLLOW US



MORE FROM THE WEST





2020
VISION

HOW TO GROW AN URBAN FOREST

A ten-step guide to help councils save money, time and share practical knowledge.



THE TEN STEPS

- 1 START AT THE START
- 2 IDENTIFY YOUR DRIVERS, BENEFITS AND BARRIERS
- 3 PRESET YOUR 'MVP'
- 4 ASSESS YOUR ASSETS
- 5 KNOW YOUR DATA
- 6 TRANSLATE YOUR DATA
- 7 DEFINE YOUR VISION, STRAT. & OBJECTIVES
- 8 ENGAGE YOUR COMMUNITY
- 9 THE FINAL CHECKLIST
- 10 PRIORITISE AND CREATE YOUR IMPLEMENTATION PLAN



2020
VISION



Six cities
600+ individuals trained
140+ councils

Draft District Plan Information Note 5

PRIORITIES AND ACTIONS

Draft South West District Plan - Priorities (continued)



A Sustainable City

Enhancing the South West District in its landscape

Protecting the natural beauty of District's visual landscape

- Improve protection of ridgelines and scenic landscapes

Protecting the District's waterways

- Maintain or restore water quality and waterway health

- Managing the District's estuaries

Protecting and enhancing biodiversity

- Avoid and minimise impacts on biodiversity

Delivering Sydney's Green Grid

- Align strategic planning to the vision for the Green Grid
- Protect, enhance and extend the urban canopy

Creating an efficient South West District

- Support opportunities for District waste management

Planning for a resilient South West District

- Mitigate the urban heat island effect
- Integrate land use and transport planning to consider emergency evacuation needs
- Use buffers to manage the impacts of rural activities on noise, odour and air quality
- Assist local communities develop a coordinated understanding of natural hazards and responses that reduce risk

Managing flood hazards in the Hawkesbury-Nepean Valley

Draft District Plan Information Note 5

PRIORITIES AND ACTIONS

Draft South West District Plan - Priorities (continued)



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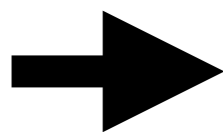
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Draft District Plan Information Note 5

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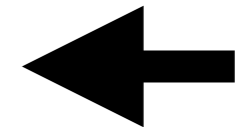
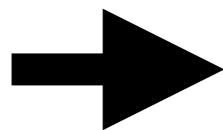
Creating an efficient South West District

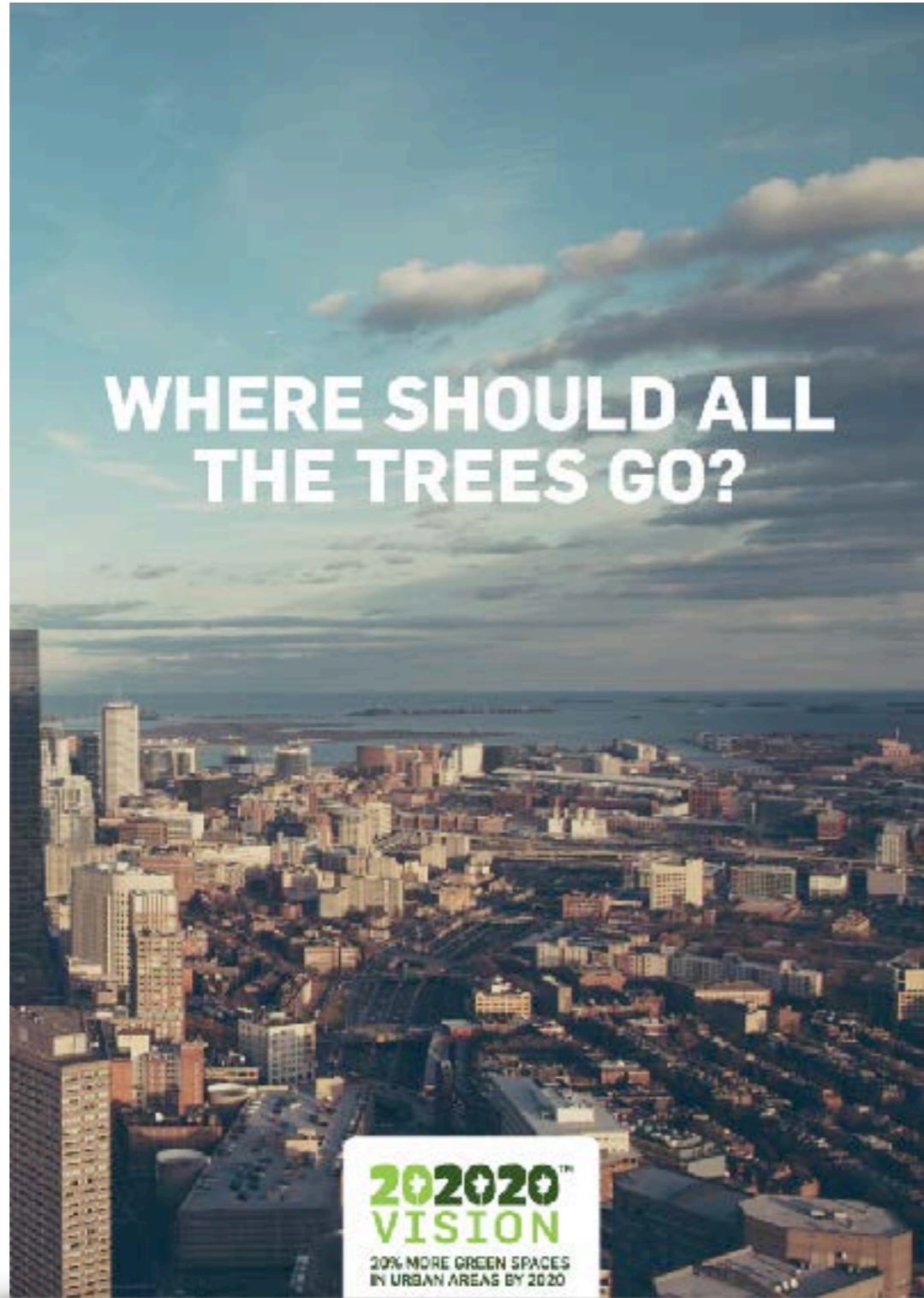
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Planning for a resilient South West District

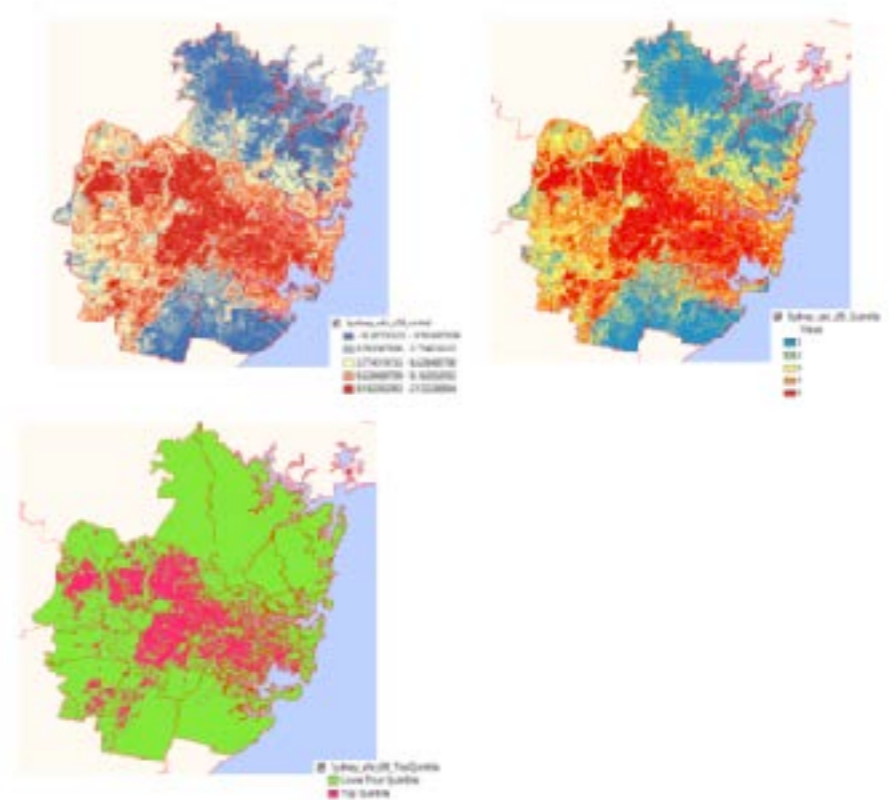
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Managing flood hazards in the Hawkesbury-Nepean Valley





Heat maps
Health data
Sociodemographics



LOCAL GOVERNMENT AREA

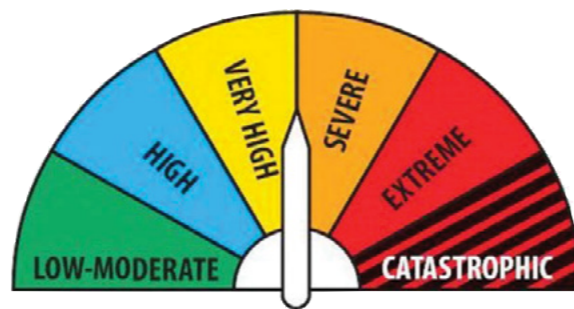
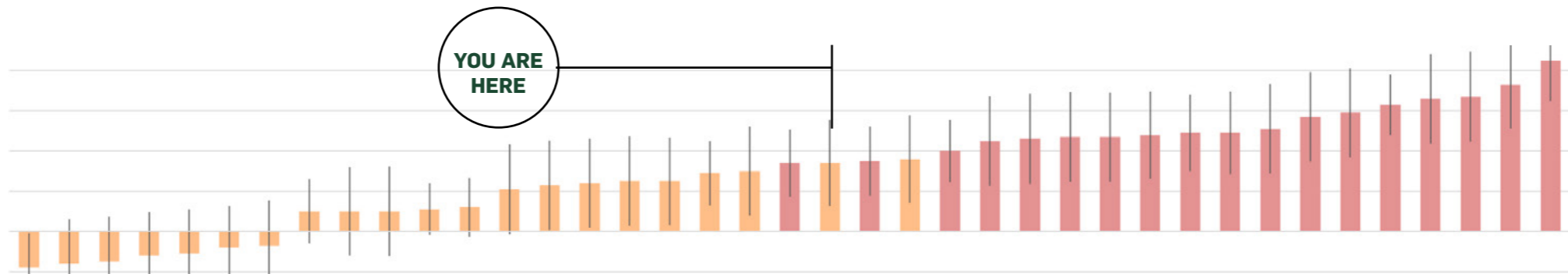
STATE

KEY STATISTICS

	2013	2016	
Canopy Cover	32%	32%	3% Lost
Permiabile Surfaces	32%	32%	4% Gained
Hard Surface	32%	32%	4% Retained

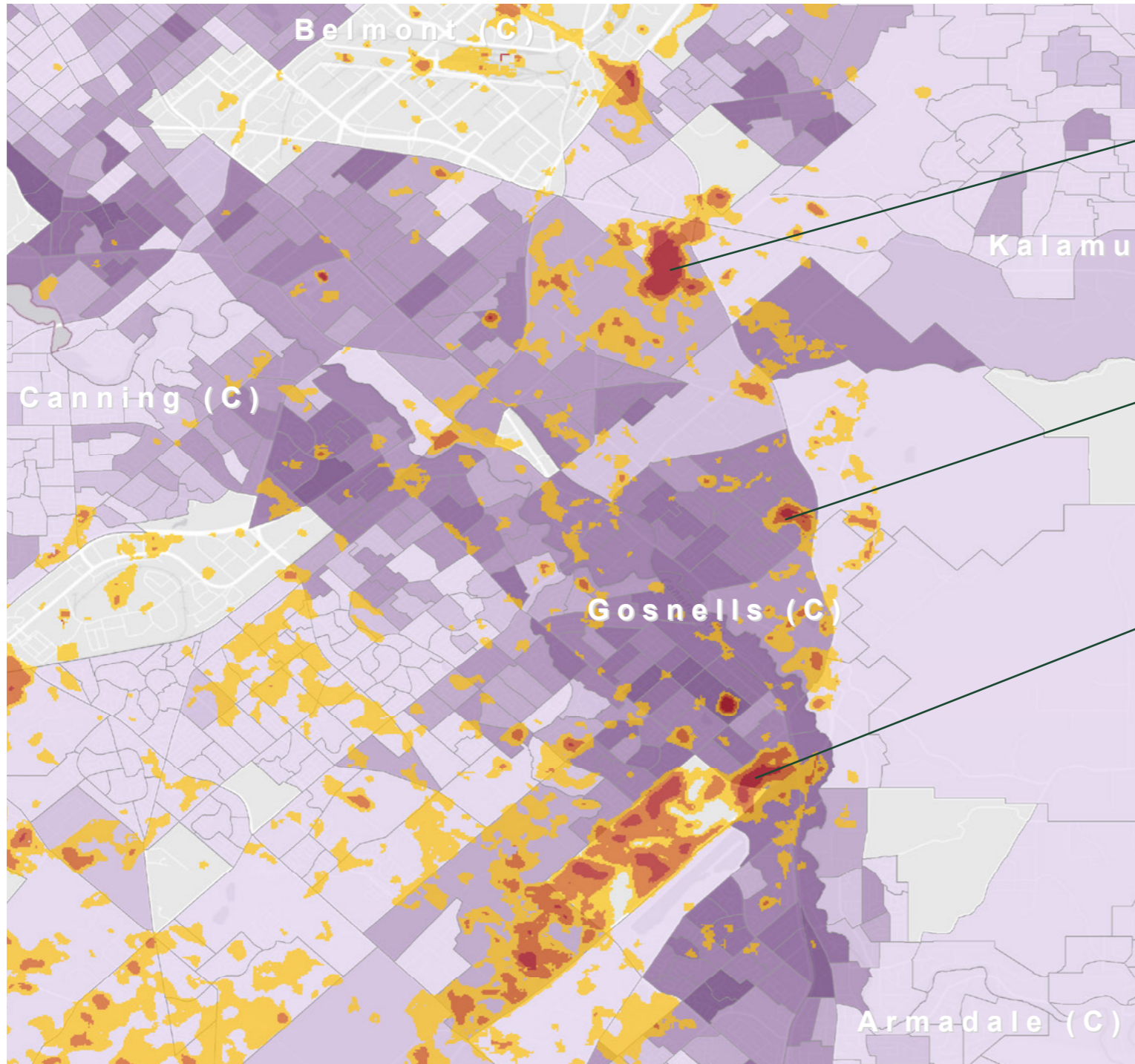
TOP HOT SPOTS

- 1.
- 2.
- 3.



COUNCIL COMMENTS/INSIGHTS

For further information contact xxxx@xxxxx.xxx

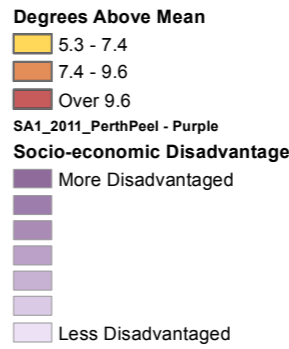


WHERE ALL THE TREES SHOULD GO:

SPOT 1
 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean at vestibulum quam, at consequat urna. Nulla facilisi. Donec maximus ante.

SPOT 2
 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean at vestibulum quam, at consequat urna. Nulla facilisi. Donec maximus ante.

SPOT 3
 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean at vestibulum quam, at consequat urna. Nulla facilisi. Donec maximus ante.



For further information contact xxxx@xxxxx.xxx



100
urban forests

84
councils are now in the Planning,
Prepared or Planting phase.

CO-INVESTMENT STRATEGIC INTENT: GREEN CITIES



PURPOSE OF FUND

To invest in strategic longer-term research which drives a measurable increase in urban green space

VISION FOR FUND

By driving demand for increased urban green space, Australia will earn a global reputation as a country committed to urban greening, adding to our international reputation of being a good place to live, work and do business

OBJECTIVE OF INVESTMENTS

To build on the momentum generated by 2020 Vision and drive co-investment in collaborative and innovative research which addresses the current knowledge gaps across the four investment themes

INVESTMENT THEMES

1 CLIMATIC AND ENVIRONMENTAL

Investment in research which leads to increased understanding and application of the positive benefits of urban greening with a specific focus on its role in overcoming Australia's climatic and environmental challenges such as extreme weather patterns and the urban heat island effect



THEME OUTCOMES

Australia will be better placed to manage future climatic and environmental challenges through increased application of urban greening in design

2 METRICS AND MEASUREMENTS

Investment in research which provides economic measurements on the productivity, health and environmental benefits of increased urban green space



Increased demand for continued growth in urban greening due to the ability to provide clear and tangible measurements on its benefits

3 CULTURE AND COMMUNITY

Investment in research which leads to greater understanding of the cultural and community opportunities and barriers to urban greening



Increased urban greening at a grass roots level across Australia leading to healthy, sustainable and resilient communities

4 KNOWLEDGE AND INFORMATION

Investment in research and tools to enhance national mapping of urban green space and to overcome the current fragmented approach to planning and designing urban green space



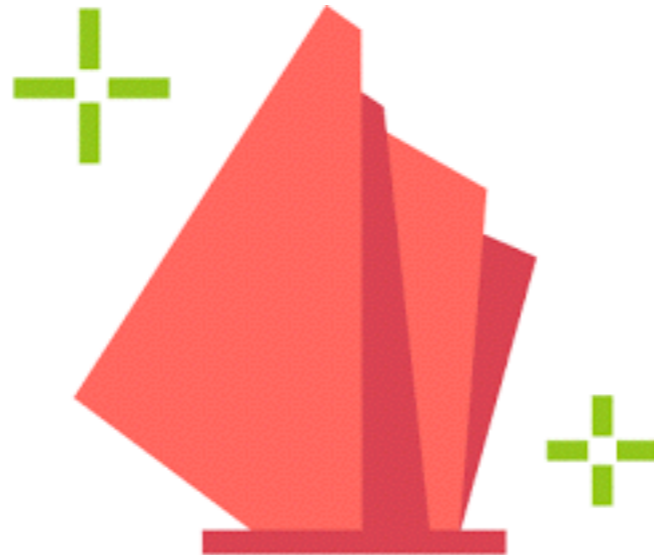
The ability to measure and report on progress in increasing urban greening across Australia

INVESTMENT OUTCOME

A strong, sustainable and economically viable future for all stakeholders in Australia's non-food horticulture sector

OBJECTIVE OF INVESTMENTS

To build on the momentum generated by 2020 Vision and drive co-investment in collaborative and innovative research which addresses the current knowledge gaps across the four investment themes



 **Banksia**
FOUNDATION



**GOOD
DESIGN**
AWARDS

Winner
Social Innovation



Australian Institute
of Landscape Architects

Winner
President's Award



2015-2016
NOMINATED
PROJECT

Plant sales up over 15%

