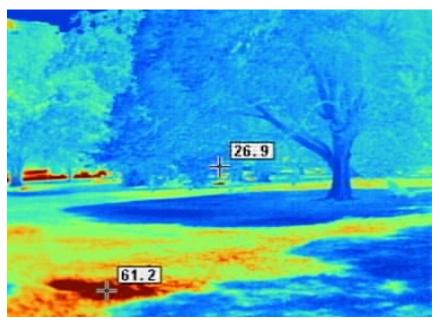
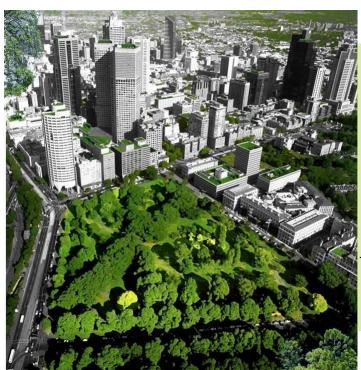




Thermal imaging – parklands



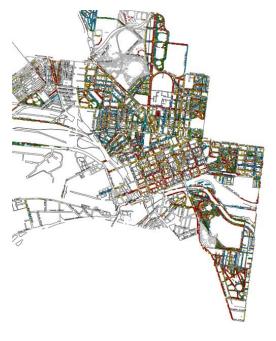


Our Goal

Strategically transforming our landscapes to respond to current challenges and to a dramatically different climate and population

To have 'a city in a forest, rather than a forest in a city'

Useful life expectancy - current scenario



Overall

23% loss in 10 years 39% loss in 20 years

Heritage landscapes 35% loss in 10 years 58% loss in 20 years

- 1 year to 10 years
- 11-20 years
- 21-30 years
- 31-60 years
- 61+ years
- To Be Determined

Tree Health, Canopy Cover and Species Composition

Strategy 1: Increase canopy cover

Target: Increase public realm canopy cover from 22 per cent to 40 per cent by 2040.

Strategy 2: Increase urban forest diversity

Target: The urban forest will be composed of no more than 5 per cent of any tree species, no more than 10 per cent of any genus and no more than 20 per cent of any one family.

Strategy 3: Improve vegetation health

Fitzroy Gardens - current

Target: 90 per cent of the City of Melbourne's tree population will be healthy by 2040

Design for health and welling.





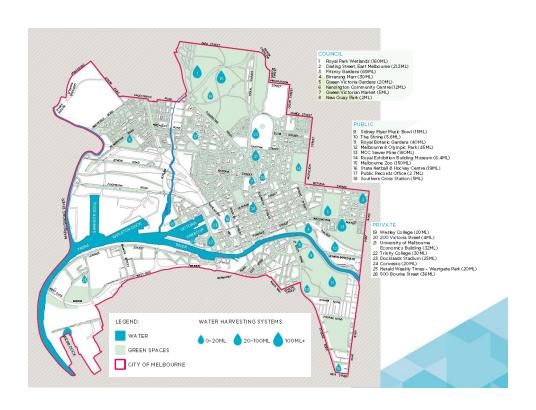
Focus Areas

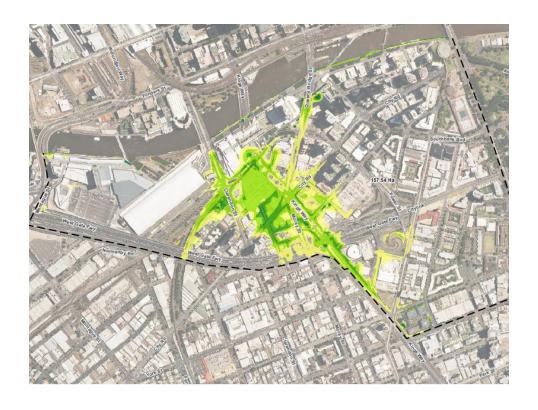
- Water Use
- · Water in the Environment
- Liveability (including affordability, population growth & health)
- Climate Change Adaptation & Flood Management

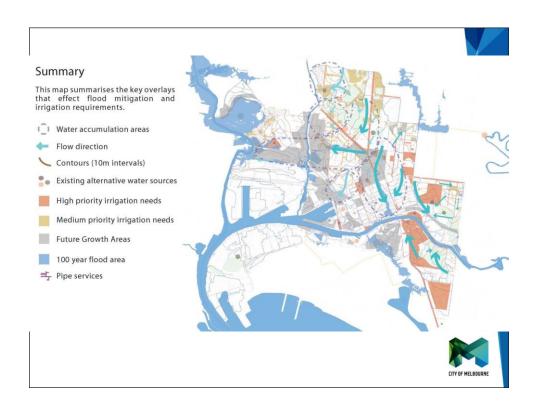
Section	2010 targets	2030 targets
Water use	Water use Council: 30% of all water use sourced from alternative water sources Municipal: 3% of all water use sourced from alternative sources	Water use Council: 50% of all water use sourced from alternative water sources Municipal: 20% of all water use sourced from alternative sources
Water for the environment	Water quality 20% reduction in Total Nitrogen contributed to the waterways from the municipality of Melbourne's catchment (baseline year 2000)	Water quality 30% reduction in Total Nitrogen contributed to the waterways from the municipality of Melbourne's catchment (baseline year 2000)

Stormwater Harvesting Projects and Water Sensitive Urban Design









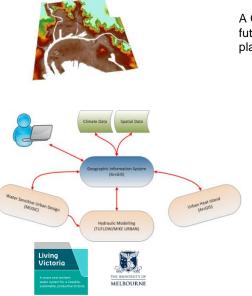


Elizabeth Street Catchment

Existing / Known / Expected Opportunities



Integrated Climate Adaptation Model



A GIS-based decision support tool for future flood and extreme heat mitigation planning. It will:

- Integrate real terrain data, climate data, hydraulic and hydrologic models.
- Run climate scenarios to model the impact of extreme events.
- Simulate defined green and grey infrastructure interventions
- Visualise different flood & heat mitigation interventions and outcomes for the City of Melbourne.

Questions?

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