Acknowledgement of Country

Beyond Zero Emissions and Ironbark Sustainability acknowledge the Traditional Custodians of Country across Australia and the world.

We acknowledge and appreciate their connections to land, sea and community.

We pay our respect to elders past and present and extend that respect to all First Nations peoples.
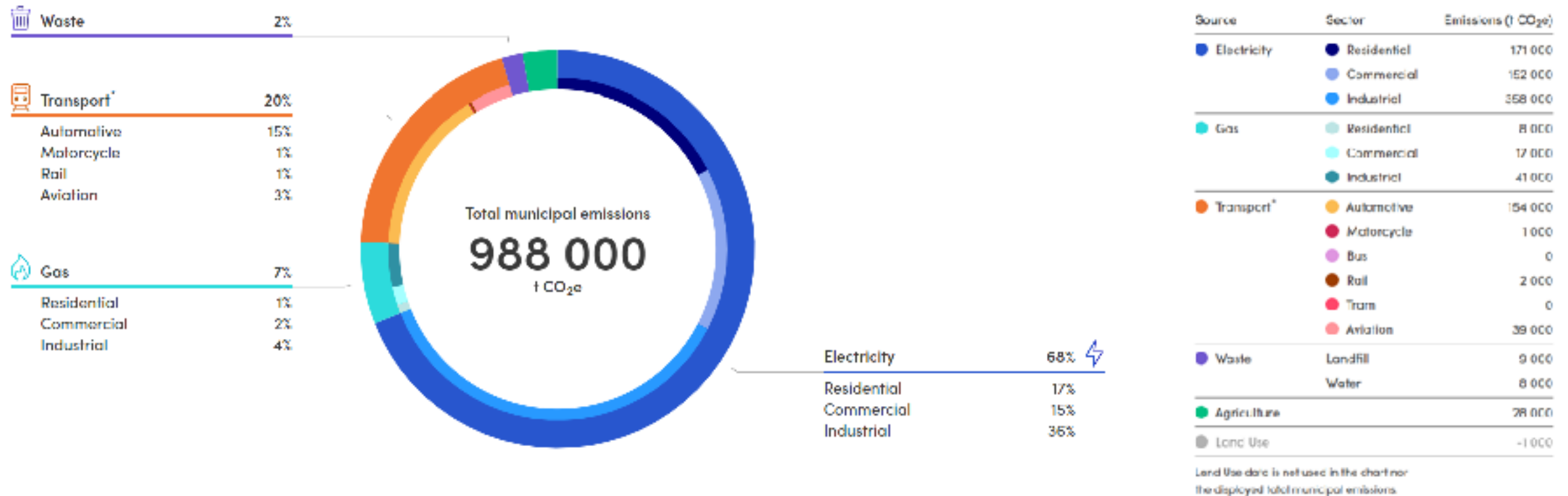
Snapshot Climate - Developers

Albury - 2019 municipal emissions snapshot

Waste	2%

Transport*	20%
Automotive	15%
Motorcycle	1%
Rail	1%
Aviation	3%

Gas	7%
Residential	1%
Commercial	2%
Industrial	4%

Total municipal emissions

988 000

t CO₂e

Electricity	68%
Residential	17%
Commercial	15%
Industrial	36%

Source	Sector	Emissions (t CO₂e)
Electricity	Residential	171 000
	Commercial	152 000
	Industrial	358 000
Gas	Residential	8 000
	Commercial	17 000
	Industrial	41 000
Transport*	Automotive	154 000
	Motorcycle	1 000
	Bus	0
	Rail	2 000
	Tram	0
	Aviation	39 000
Waste	Landfill	9 000
	Water	8 000
Agriculture		28 000
Land Use		-1 000

Land Use data is not used in the chart nor the displayed total municipal emissions

Use of Open Data - how does the project work?

Technical

- [Global Protocol for Community-Scale Greenhouse Gas Inventories (GPC)](#)
- Tiered data base on IPCC
- Free and accessible
- Updated annually

Collaboration with **data providers**

- Google Environmental Insight Explorer
- Energy distributors
- Climate

"A tool like this is just so amazingly useful to foster and direct discussion, show actions that both councils and community members are taking and be strategic and effective in planning next actions."

- **Cristel Chambers – Community organiser and campaigner**

Impact - faster and better decisions

Community

- Understand emissions sources
- Accessible information
- Prioritise actions and advocacy
- Direct efforts

Cities

- Shift from data collection to strategy
- Action planning and implementation
- Policy development
- Business and investment
- Monitoring and evaluation

Thanks to Ironbark Sustainability and Beyond Zero Emissions for creating this absolutely phenomenal tool. Instead of spending time on generating data we can identify solutions and work with the community to implement them. We can also see what other councils are doing around the country to identify key points of similarity and difference.'

- **Eric Lede - City of Darwin Climate Emergency Project Officer**

User feedback

Community	Cities	Local government authority	Policy makers
The Snapshot tool provides an easy to understand and meaningful summary of community emissions. This information has been vital in helping to shape our priorities for climate action and to communicate information about community emissions.	The snapshot tool is fantastic to see what our city's contribution to carbon emissions are. There's been a big gap in this data for the past 10+ years, so this data is super useful for action planning.	Snapshot is a godsend - it helps everyone easily and quickly understand their local profile to determine policy levers to reduce emissions.	The Snapshot tool was invaluable in developing our community emission profile for our Climate Emergency Response Plan
The Snapshot tool is a great way to identify and communicate where the big target areas for emissions reduction are in the community.	Snapshot has really helped us to get a clear idea of where the major emissions are generated in our community, and given us a focus for future interventions. As our industrial area is a major contributor - our focus will potentially be on that space over the coming couple of years.	Snapshot is a fantastic communications tool to inform the community and decision makers, whether you're starting the conversation about LGA-level emissions or wondering where to target your action, it brings the big climate issue much closer to home.	Snapshot is a hugely valuable dataset for urban planning, transport, and climate change teams. The tool will greatly assist with policy development, intervention design, and program evaluation; and will save councils an enormous amount of time and effort.

Snapshot has been designed to work at scale

Achieved

National

— Achieved Australia wide
— 540 Local government areas
— Representing 8 States and Territories

Aspirational

International

— Global Covenant of Mayors
— System to integrate new countries established
— Mechanisms to facilitate scaling while managing local/regional differences

'Snapshot is a really important tool for us, compliant with international standards and addressing barriers to data access. It elevates the consistency and quality of data to prioritise initiatives, invest our money and create climate and energy policy.'

— **Cathy Oke - Enterprise Senior Fellow in Informed Cities - Melbourne University**

Next steps

Six month plan

— State Snapshot profiles
— Federal electorate Snapshot profiles
— Accessible .csv files
— Local energy (gas and electricity) costs
— Local jobs - Million Jobs Plan
— Dashboard for data analysis
— Improved data visualisation
— Australian Local Government Climate Review

The Million Jobs Plan can rebuild Australia's Economy

In just 5yrs renewables + low emissions projects can deliver...

1.8m new jobs

in regional communities those are needed most

90GW renewable energy + transmission
200k JOBS

2.5m retrofits + new buildings
940k JOBS

28,000 electric buses + new green transport
140k JOBS

Clean manufacturing + mining
230k JOBS

27MHA land regeneration
200k JOBS

90% waste recycled
80k JOBS

+ 10,000 new jobs in Training, Education and Research

Affordable Reliable Clean Energy | Reducing Cost of Living | Strengthen Regional Communities

Next steps

Strategic goals

- Science-derived targets for all cities
- Spatial and temporal data visualisation
- Monitoring and evaluation

- Cohort comparison and analysis
- Evidence-based action plans
- Climate data integration
- Investment and decision making tool

Snapshot helps make faster and better decisions to tackle climate change and build our cities back better. It is a major step forward to ensure that councils and communities have the best information to make decisions. This is really only the beginning.

- **Cathy Oke - Enterprise Senior Fellow in Informed Cities - Melbourne University**

Thank You

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