

CIRCULAR BALLARAT FRAMEWORK

Building value in a resilient and sustainable economic ecosystem



This framework will build the foundations required for Ballarat to transition to a strong circular economy.

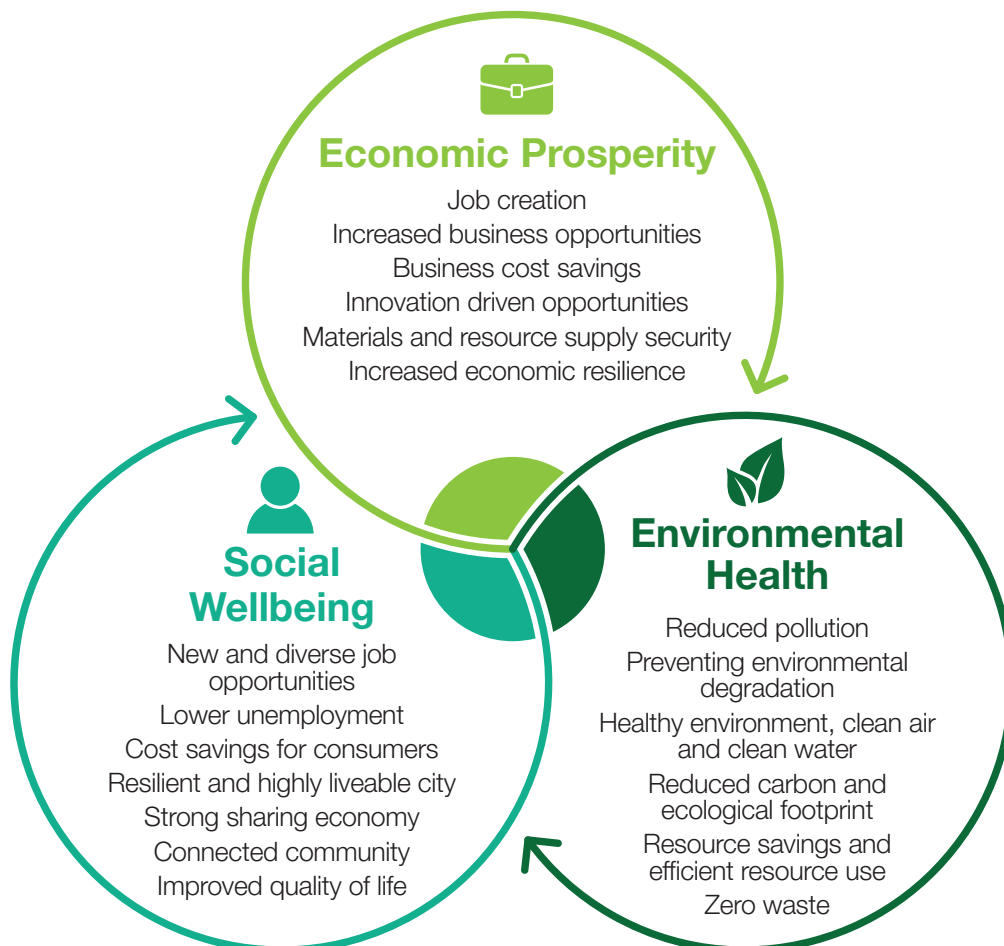
Through the Ballarat Prosperity Framework consultation process, our community told us that the future of Ballarat is based on a strong circular economy. We see our future as a carbon neutral city and a leader in renewable energy systems, with thriving collaboration across industries, systems and business models to secure our future sustainability and protect our planet.

What's The Problem?

Doing nothing is not an option. If we don't act now, we will miss out on emerging opportunities and will leave our community vulnerable to emerging economic, environmental and social pressures. Adopting circular will position Ballarat with a comparative and competitive advantage in a changing world.

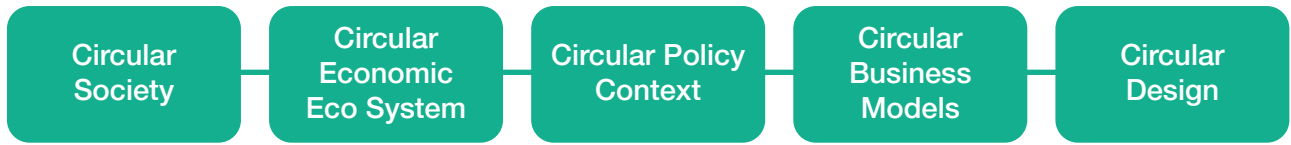
Benefits of a Circular Economy

Moving to a circular economy offers many benefits to Ballarat's residents and businesses.



Foundations

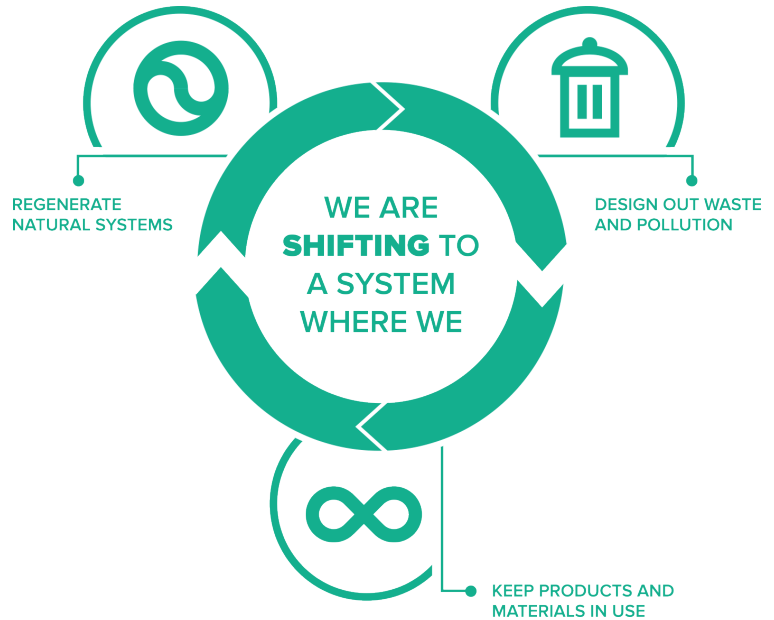
This Framework will build the foundations to help Ballarat embrace circular economy opportunities in five key areas.



What is a circular economy?

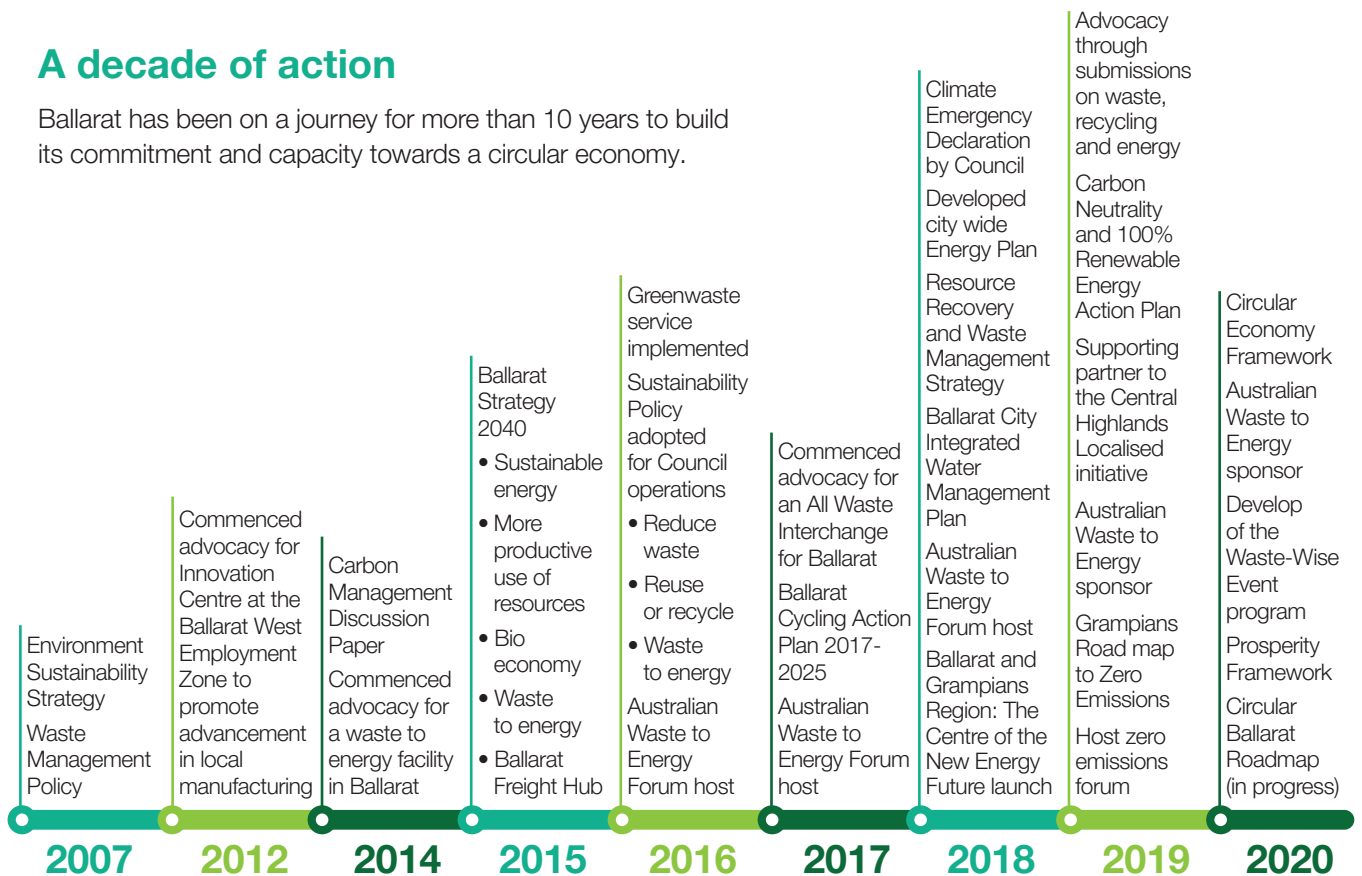
“A circular economy is one that is restorative and regenerative by design, and which aims to keep products, components and materials at their highest utility and value at all times...”

the Ellen MacArthur Foundation



A decade of action

Ballarat has been on a journey for more than 10 years to build its commitment and capacity towards a circular economy.



Ballarat now

A City having engaged conversations about managing waste and protecting its natural assets, in the context of rapid global change and concern about the planet's sustainability. A Council committed to zero emissions by 2025.

- Status quo linear economic model
Take->Make->Waste
- 185-190kg of general household waste per person each year
- Approx. 30,000 tonnes of waste to landfill at a cost of more than \$18 million per year
- Plans to transition from landfill to waste to energy
- Some innovations in resource recovery and reuse, e.g. Pass on Glass program and recycled glass and plastic bitumen trial
- Some local business sustainability initiatives in response to consumer expectations
- Regional renewable energy investment
- Investment in enabling infrastructure for renewable energy generation
- Increasing community awareness and interest
- Emergence of shared and service economy initiatives
- City of Ballarat commitments to urban forest/ city greening, integrated water, renewable energy and zero emissions
- Community driven sustainability programs e.g. BREAZE's Social Solar

By 2050 Ballarat will be

A leader in the development of restorative and regenerative systems, with a view to becoming a carbon neutral city.

Collaboration across industries, systems and business models will be evident in its strong circular economy.

- 100% Circular
- A growing and prosperous economy, with resource use decoupled from economic growth
- Diverse jobs base across all skill levels, unskilled through to professionals and continued low unemployment
- Thriving sharing and service economy
- Carbon neutral, zero waste, one planet ecological footprint community
- Clever Circular City leader – hosting enabling platforms to stimulate and support circular
- Renewable energy heart of Australia – innovation, manufacturing, servicing and education
- All material, water and energy resources are valued and operate on closed loop systems
- Materials and resource use cost savings reinvested in economic growth, jobs and the community
- Thriving networks exist to enable collaboration across industries, systems and business models
- Sustainability is a key driver in all community and business endeavours



The City of Ballarat's Plan

To achieve a 100% circular economy by 2050, the City of Ballarat will:

Advocate for a Circular Ballarat

- Create a shared **vision**
- Advocate for State and Federal circular **regulations and incentives**
- Develop a **Circular Ballarat Roadmap**
- **Prepare priority Circular Economy Industry Plans**
- Continue to advocate for **circular resource investment in infrastructure and innovation**
- Champion **design-led solutions** that reduce resource use
- **Circular business attraction**
- Collaborate to implement the **Grampians Roadmap to zero emissions**
- **Measure and report** on progress

Support local businesses

- Promote **tools and support businesses**
- Support **innovation, research and development**
- Facilitate **jobs and skills attraction**
- Facilitate/support **Circular Value Network/s**
- Facilitate the **development of markets** for remanufactured and recycled products
- Facilitate **investment** in circular enabling technologies
- **Recognise and celebrate** local circular business achievements

Build a supportive consumer base

- Increase community support and demand for circular products/services through **education programs**
- Support **community led initiatives**
- Support **sharing economy** endeavours and platforms
- Advocate for **consumer information**

Circulate Council activities

- **Circular Council business plan**
- **Integrated transport and land use planning**
- **Eco-design** for all infrastructure and investment
- Infrastructure and innovation **investment**
- **Circular procurement** policies
- Implement the **Carbon Neutrality and 100% Renewable Energy Action Plan**

Flagship initiatives

- **Circular Ballarat Roadmap**
- **Council Circular Economy Integration Project**
- **Circular Economy Innovation and Learning Precinct**
 - All Waste/Materials Interchange
 - Resource Recovery Centre
 - Business Innovation and Research Centre
 - Renewable Energy Research, Innovation and Manufacturing Hub
 - Circular Economy Learning Hub
 - Immersive and comprehensive education experience for schools, business and industry
- **Clever Circular City Virtual Hub**
 - Tools and support for business
 - Circular Central Highlands Localised-supply
 - Sensor technology digital analytics
 - Eol for testing and trialling Smart City circular sensor technology
 - Circular Economy scanning technology project
- **Federation University's Asia-Pacific Renewable Energy Tech-Transition Centre**

