

Invest in Victoria

# Investing in Victoria's Circular Economy and Recycling Industry

# INVEST VICTORIA

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Commissioner to Japan and Korea

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OFFICIAL



# Victoria, Australia

## The Right Place to Invest

### KEY CHARACTERISTICS OF VICTORIAN ECONOMY:

- Three per cent of Australia's land mass
- 23 per cent of Australia's GDP
- 26 per cent of Australia's population
- Forecast 10.1 million people in 2051





# Melbourne, The fastest growing city in Australia

Over the next 30 years Victoria's rapidly expanding population will create several opportunities for investors.



Melbourne is a city of over 5 million people. The State of Victoria is forecast to have **over 10 million people** by 2051.



Melbourne will look to build **1.9 million extra homes**.



The city will look partner with investors to provide environmental innovations to cope with **extreme heat and longer droughts**.



The COVID-19 pandemic has reinforced the need for **innovation in the health care** sector particularly with Australia's ageing population.



Melbourne's transport system will increase capacity to support **10 million more trips a day** – an increase of 80% with opportunities for new mobility solutions to meet this demand.



Melbourne will partner with world leading companies to foster its reputation as a **safe, community focused city**.

- > Melbourne continues to be the fastest growing city in Australia.
- > Melbourne will be Australia's largest city by 2030 & forecasted to be larger than New York & London, currently, by 2050.

# Victoria is the gateway to Asia-Pacific

## The Right Location

Victoria's time zone is perfectly aligned for doing business regionally.

- > Melbourne Airport is the busiest curfew free airport in Australia handling direct flights to over 69 destinations in 22 different countries.
- > The Port of Melbourne is Australia's largest capital city container and general cargo port.

Melbourne	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm	5pm	6pm	Time difference
Tokyo	8am			11am				3pm			6pm	-1 Hour
Shanghai			8am		11am				3pm		6pm	-2 Hours
London									8am		11am	-9 Hours
New York	6pm		8pm									-14 Hours
Chicago	5pm			8pm								-15 Hours
San Francisco	3pm						8pm					-17 Hours

## Victoria has strong cultural ties with the APAC region

Victoria offers excellent availability of highly skilled, culturally aware, multilingual professionals, specialising in Asian and European languages.

Our international student base of over 250,000 from 170 countries enhances the pool of foreign language speakers. Top source markets include China, India, Malaysia and Vietnam.

>260 languages and dialects  
Spoken in Victoria

>600,000 people  
Who speak an Asian language

>500,000 people  
Who speak a European language other than English

Preferred destination for 60%  
Of Australia's permanent business migrants who choose Victoria

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Victoria**

**VICTORIA**  
State Government

# First-class liveability

## World-Class Education

- > Named the world's 3rd best university-city for students.
- > Home to Australia's 3rd highest ranked university
- > Home to Australia's largest university

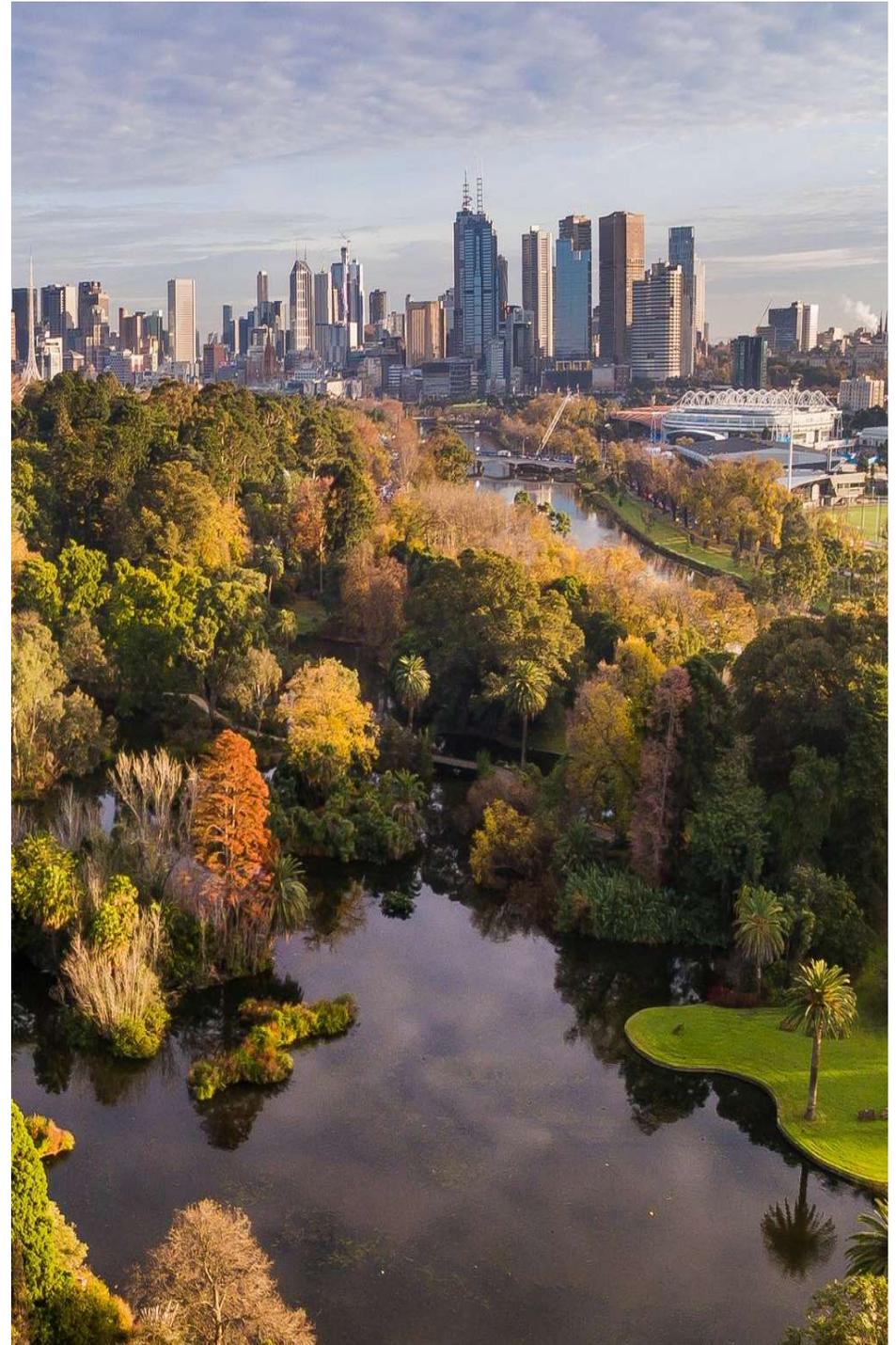


## Environment and Lifestyle

- > Clean air and abundance of parks and gardens

## Health and Safety

- > Melbourne is one of the safest cities in Asia Pacific.
- > Healthcare rated a perfect 100 in the EIU Liveability Scale



# Invest Victoria

Invest Victoria makes it easy for you to do business in Victoria, Australia.

Invest Victoria is the State Government of Victoria's investment promotion agency, fostering long term economic prosperity by enabling business opportunities and job creation for Victoria.

We have a comprehensive approach to support you on your investment journey.



We'll show you why Victoria is the best place in the world to live, work and invest.



Our world-class, professional investment team has deep connections into government, industry and Australia's leading research institutions.



Site location and property identification services (including property market information)



Introductions to suppliers, service providers and potential customers



Information and advice to help companies prepare business cases for their investments



R&D matching services with universities and knowledge institutes to build partnerships and develop cutting edge ideas and technologies



Advice and coordination of relevant development approvals



Facilitating connections across government department, agencies and regulators



Connecting investors to Victoria's skilled and talented workforce



Connecting businesses with a contemporary range of 6 incentives, grants and programs

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# Victorian Waste & Resource Recovery



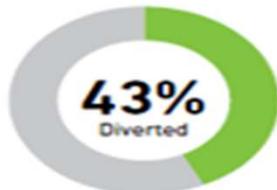
**15.3** MILLION TONNES OF WASTE GENERATED BY VICTORIANS

**4.6** MILLION TONNES SENT TO LANDFILL

**10.8** MILLION TONNES DIVERTED AT A RATE OF 70% FROM LANDFILL

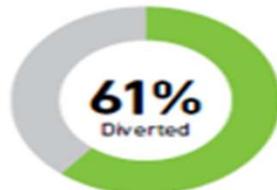
## SOURCE SECTOR DIVERSION PERFORMANCE

Municipal solid waste



Diverted (Mt) 1.3  
Landfilled (Mt) 1.7  
Total managed (Mt) 3.0

Commercial and industrial



Diverted (Mt) 2.9  
Landfilled (Mt) 1.9  
Total managed (Mt) 4.8

Construction and demolition



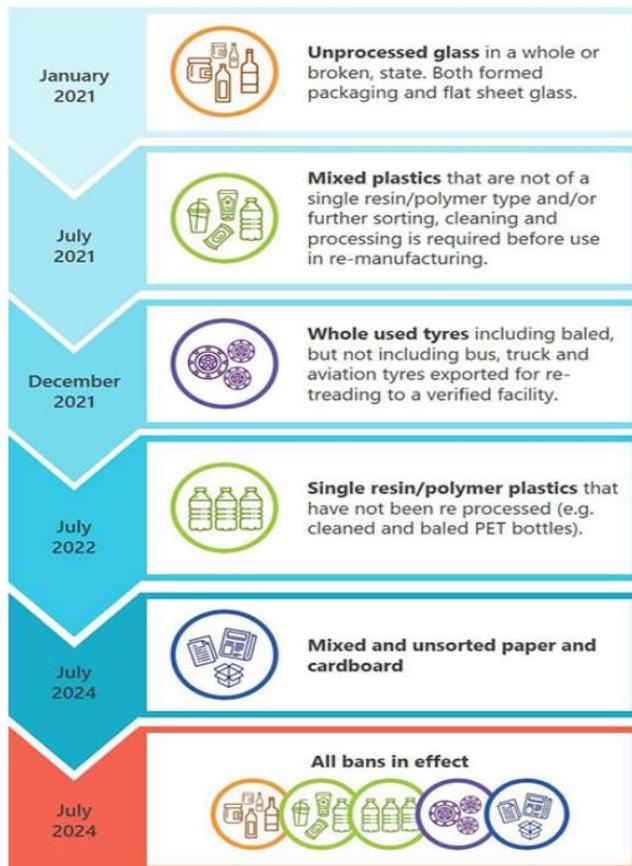
Diverted (Mt) 6.5  
Landfilled (Mt) 1.0  
Total managed (Mt) 7.5

## COMPOSITION OF DIVERTED MATERIALS

	<b>Aggregates, masonry and soils</b> 6.3 Mt 59% of materials diverted 100% locally reprocessed
	<b>Glass</b> 0.2 Mt 2% of materials diverted 93% locally reprocessed
	<b>Organics</b> 1.3 Mt 12% of materials diverted 99% locally reprocessed
	<b>Plastics</b> 0.1 Mt 1% of materials diverted 43% locally reprocessed
	<b>Metals</b> 1.5 Mt 14% of materials diverted 67% locally reprocessed
	<b>Paper/cardboard</b> 1.2 Mt 12% of materials diverted 61% locally reprocessed
	<b>Rubber/textiles</b> 0.1 Mt <1% of materials diverted 42% locally reprocessed



# Export Ban & International Import Bans



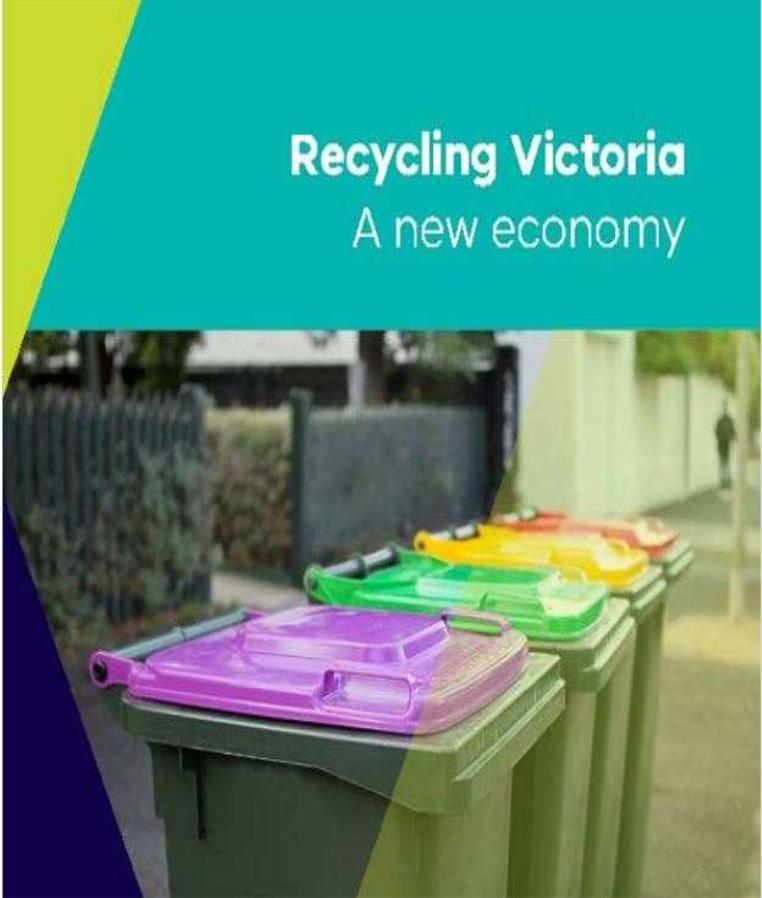
## International Import Bans

- China Sword Policy
- Southeast Asian Markets implementing stricter measures

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# The Victorian & National Government response



## Recycling Victoria A new economy

### **‘Recycling Victoria – A New Economy Policy’ \$515m commitment**

Circa \$125 million program to support industry investment including:  
\$58 million Recycling Victoria Infrastructure Fund

- \$11.5 million Hazardous Waste Fund
- \$10 million Waste to Energy (Bioenergy) Fund
- \$25 million Materials Acceleration Package (inc R&D)
- \$17 million Circular Economy Business Innovation Centre (CEBIC) and Fund

Establishment of Victorian Waste Authority & Waste Act

National \$190m Recycling Modernisation Fund

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# Key areas of investment (and opportunity)



- **Introduction 4-bin household waste system (organics, recycling, glass and waste)**
  - *New infrastructure, focus on residual waste (waste to energy) and organics*
- **Introduce a container deposit scheme by 2022/23**
  - *New providers, opportunity for beverage sector, reverse vending machines, new processing infrastructure*

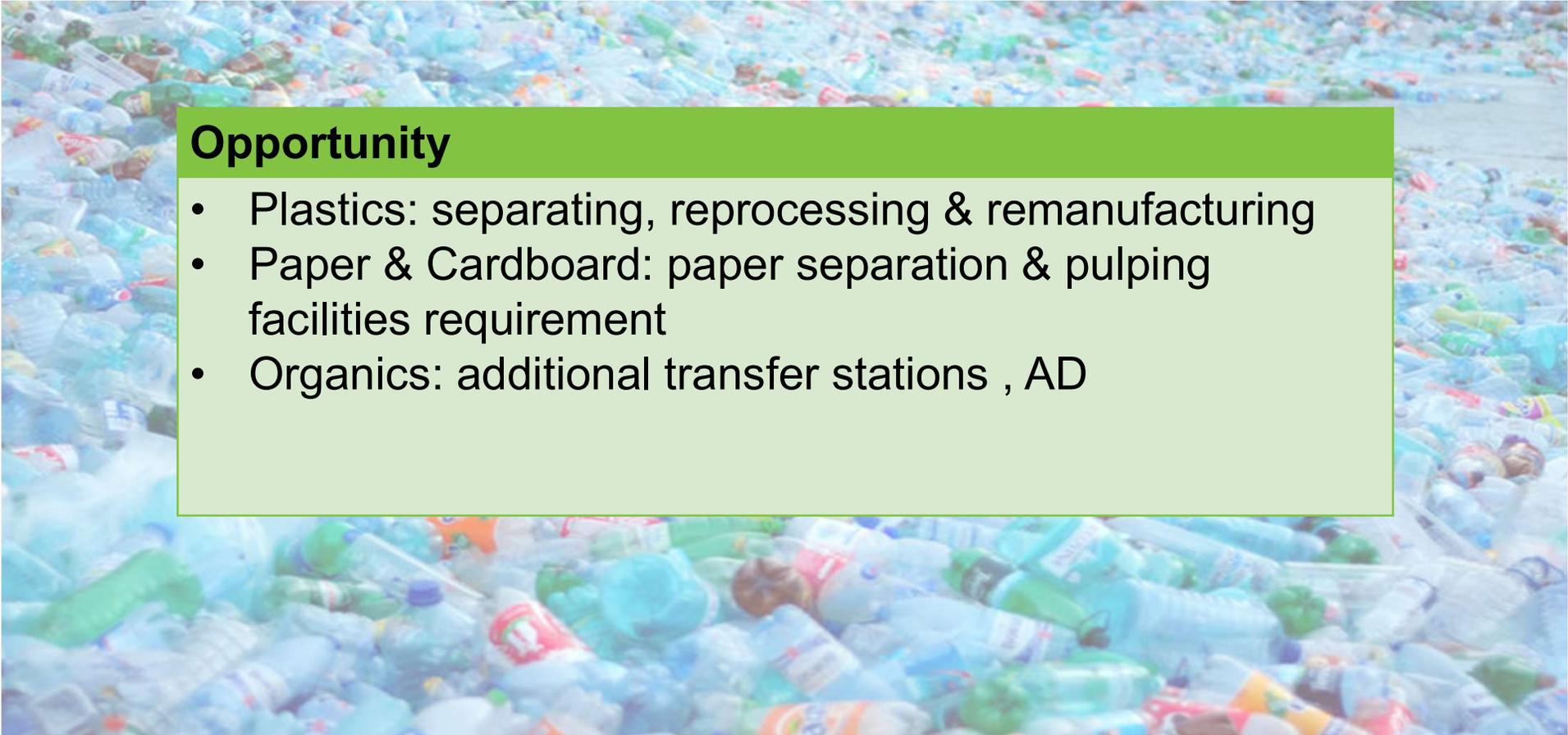
## Ambitious targets to measure progress

1. Divert 80% of waste from landfill by 2030.
2. Cut total waste generation by 15% per capita by 2030.
3. Halve the volume of organic material going to landfill between 2020-2030.
4. Every Victorian household has access to food and organic waste recycling services or local composting by 2030.

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# Priority Materials



## Opportunity

- Plastics: separating, reprocessing & remanufacturing
- Paper & Cardboard: paper separation & pulping facilities requirement
- Organics: additional transfer stations , AD

**Slide 11**

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**CO1**

need to get most upto date figures after the Visy announcement especially

Ciaran O'Connor, 5/05/2021



# Priority Materials continued



## Opportunity

- Tyres: processing crumb, granules/powder
- Hazardous Waste: distillation facilities
- Textiles : broad based opportunities
- Glass : remanufacturing , additional capacity for construction industry

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## Example of CE projects funded to date

### Mantzaris Fisheries Pty Ltd

Optimise and scale up a green manufacturing process to convert seafood waste into nutritional products (such as omega-3 nutritional oils and protein products) fit for human consumption.



### Fresh Select

**Victorias first** regional food upcycling hub- this facility will upcycle surplus vegetables and by-products into new foods and ingredients, helping local growers achieve 100% crop utilisation and minimising food waste on farms and in pack-houses and food manufacturing.



### RMIT University

The Victoria Circular Activator (VCA) will provide a physical circular economy hub and catalysing activities including research, a business data platform, frameworks to support business collaboration, four business-focused capability-building programs and innovation showcases.





## Summary & Contact



- Sector & Policy changes transforming the waste industry
- Government funding programmes underway and been rolled out
- Investment opportunities available both now and into the future to meet capacity requirements

For further inquiries, please fee free to contact:

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