

# *Building a stronger and more resilient waste and resource recovery sector*

Waste Expo 2023

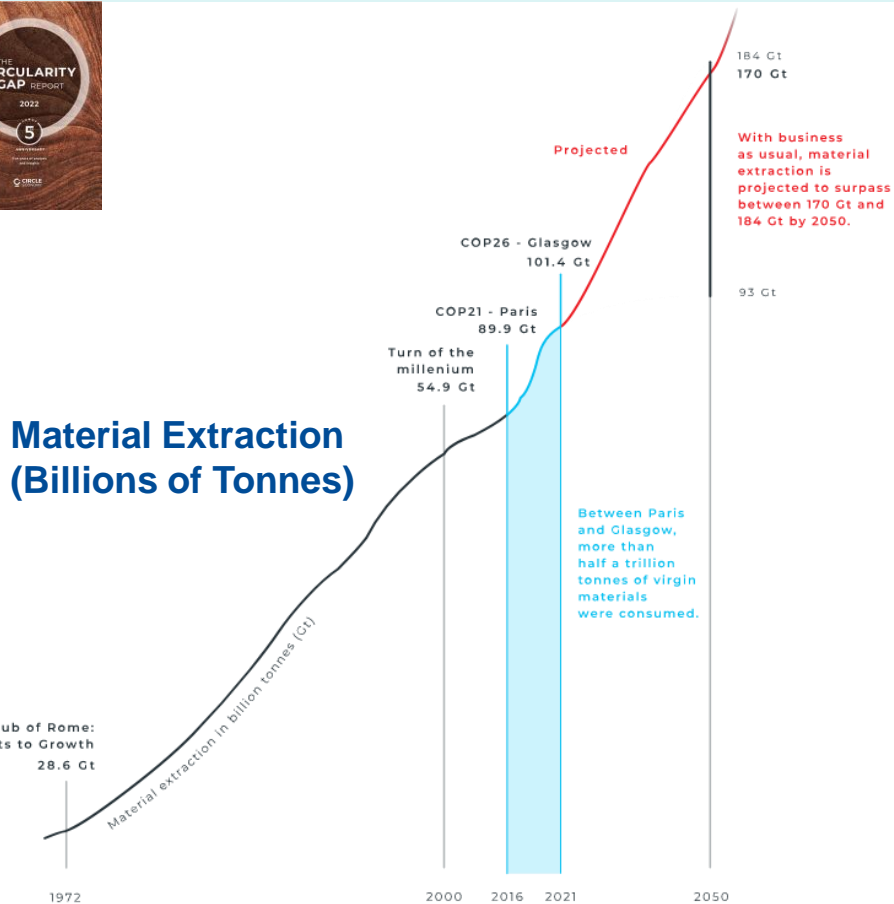
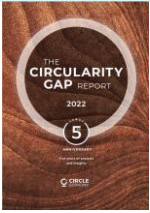


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# Circularity – issue and opportunity ...



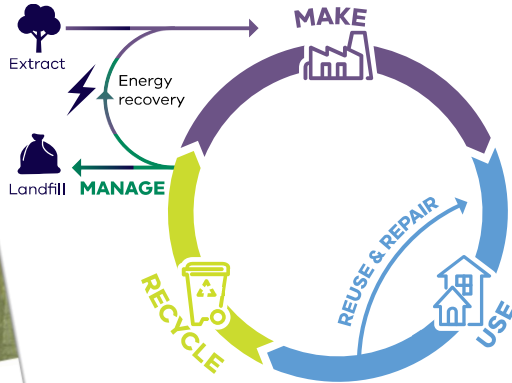
**Our take-make-waste economy consumes 100 billion tonnes py of materials, & wastes over 90%**

**70% of all global greenhouse gas emissions are related to material handling and use**

**Cut material use by 28% would bring 39% reduction in GHG**

**Towards greater circularity and efficiency ... use fewer resources, make them last longer, regenerate, recycle, and create more jobs...**

# Recycling Victoria: A New Economy Policy goals



1. Design to last, repair and recycle

2. Use products to create more value

3. Recycle more resources

4. Reduce harm from waste

1

Divert 80% of waste from landfill by 2030.

2

Cut total waste generation by 15% per capita by 2030.

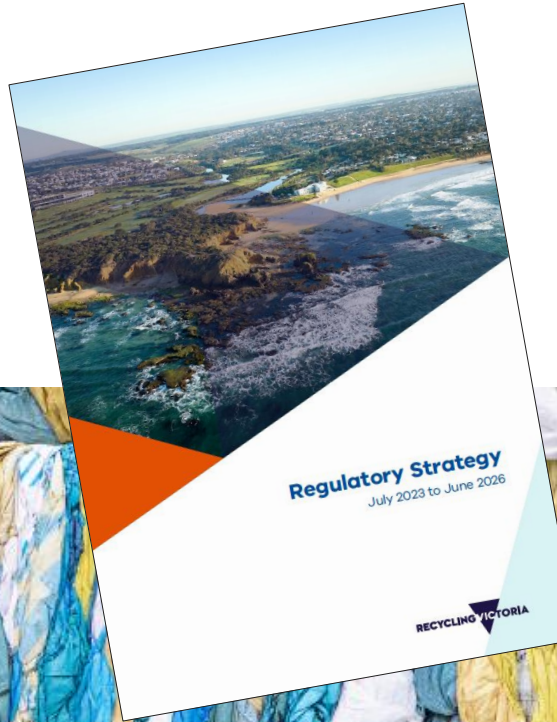
3

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

# Strategic Plan - Vision and Direction





## Vision

***A world class circular economy system that helps build a sustainable future for all Victorians***



### Recovery

Strong and robust circular economy

### Reliability

Resilient waste and resource recovery system



### Economy

Sector investment and growth

### Management

System capacity and capability



## Purpose

***Leadership and oversight of waste and resource recovery services to support the circular economy***

# Recycling Victoria - Our key priorities



Engagement and consultative committees



Strategic procurement



Market intelligence



Service standards



Market risk and contingency plans



Container Deposit Scheme



Infrastructure planning



Waste to Energy Scheme



# A principles based approach to compliance



## Principles

Our regulatory approach will be:

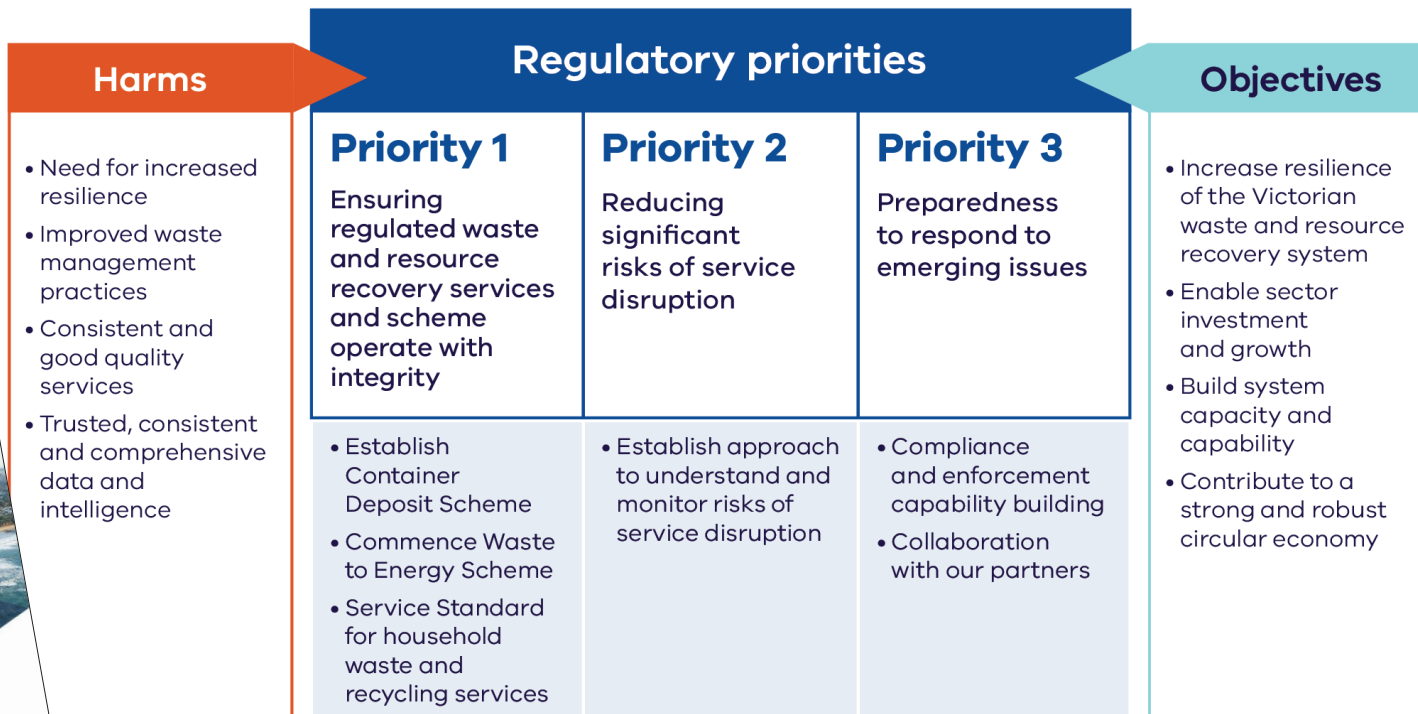
- Objectives focussed
- Risk-based and precautionary
- Intelligence-led and evidence-based
- Proportionate and graduated
- Consistent and predictable approach
- Transparent and accountable
- Timely

*Our efforts will be focussed on effectively addressing the risks that threaten the greatest harm to the objectives we are seeking to achieve.*



*We will use a fit-for-purpose approach that takes into account the circumstances and attitudes of those required to comply, as well as the risks posed by non-compliance. We will provide support to those that need it and take strong enforcement in response to intentional non-compliance.*

# Regulatory priorities





# Recycling Victoria Data Hub – Industry

RECYCLING VICTORIA

## Victorian waste projection model - material details

Select year

2020-21

Select sector source

All

Select materials

- Select all
- Aggregate, masonry and ...
- Glass
- Metals
- Organics
- Paper and cardboard
- Plastic
- Textiles
- Tyres and rubber

Reset filters



15,818,400t  
Total generated

11,126,500t  
Recovered for reprocessing

10,152,600  
Processed locally

965,400  
Exported to processing

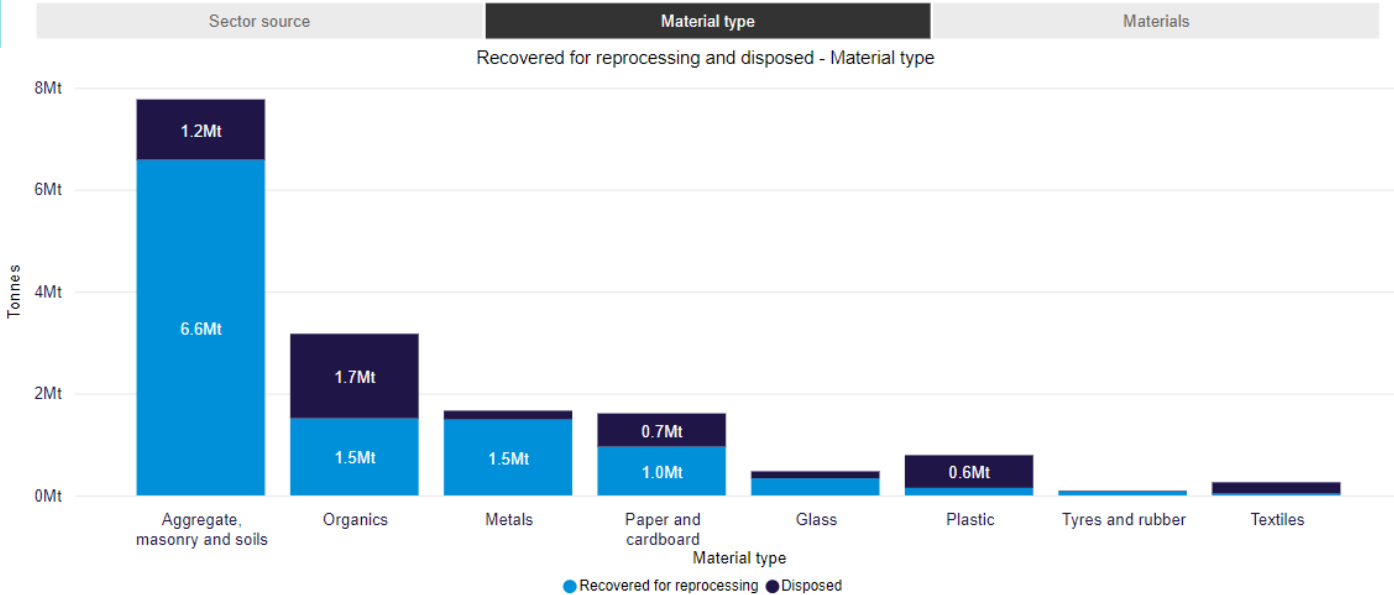
3,500  
Waste to energy

70.3%  
Recovery rate

2.40  
Waste generated per capita

4,691,897t  
Disposed

Converted to a volume measure (cubic meters), total waste generated would fill **34.7 MCGs**, with **18.8 MCGs** worth of material recovered.



Overview

Glossary

Actuals - total generated

Actuals - materials

Projections

# Vic Waste Projection Model - Organics



3,169,500t  
Total generated  
20.0% of all materials

Year: 2020-21

1,511,000t  
Recovered for reprocessing

1,491,600  
Processed locally

15,900  
Exported to processing

3,500  
Waste to energy

47.7%  
Recovery rate

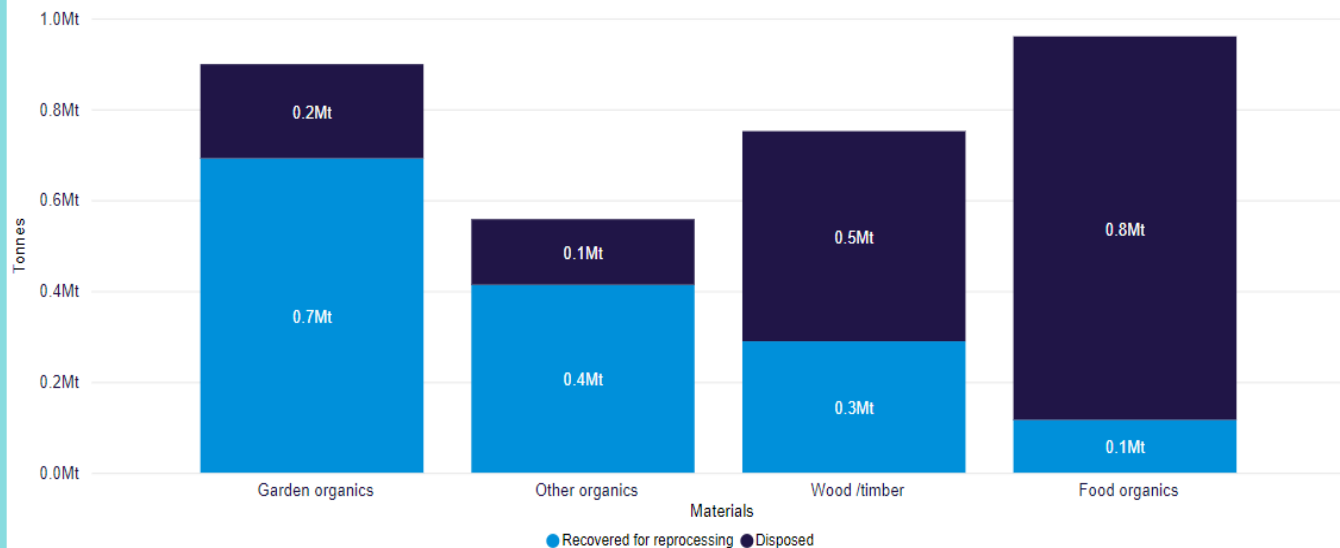
0.48  
Waste generated per capita

1,658,566t  
Disposed

Converted to a volume measure (cubic meters), total waste generated would fill **7.6 MCGs**, with **4.1 MCGs** worth of material recovered.



Recovered for reprocessing and disposed - Materials



## Overview:

- 20% of Vic's waste generated is organics
- Similar generation rate from C&I and MSW sectors
- Good recovery of GO, lower recovery of FO.
- 2020/21 AORA report shows good number of organic processors in Vic

## Major developments:

- Key challenges are contamination, transportation and land requirements
- FOGO services implemented statewide by 2030.
- Growing interest in biochar made from biosolids

# Vic Waste Projection Model - Plastic



763,200t  
Total generated  
5.0% of all materials

Year: 2020-21

147,600t  
Recovered for reprocessing

70,000  
Processed locally

72,400  
Exported to processing

0  
Waste to energy

19.3%  
Recovery rate

0.12  
Waste generated per capita

615,571t  
Disposed

Converted to a volume measure (cubic meters), total waste generated would fill **6.5 MCGs**, with **1.2 MCGs** worth of material recovered.



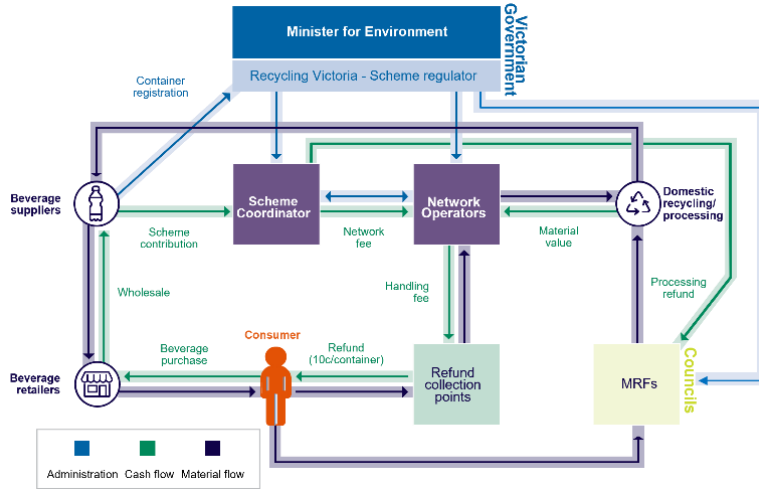
## Overview:

- End of life plastic waste generation
- Consistent recovery trend
- Export ban since July 2022 ceased export of any unprocessed plastic
- Strong local and export demand for clean PET, HDPE and PP
- Evidence of decoupling packaging grades: virgin vs recycled

## Emerging issues and opportunities:

- Capacity to reprocess higher value bales e.g., PET, HDPE bottles
- New capacity in the coming years, for hard and soft plastics. Refer to RV Market Insight Report

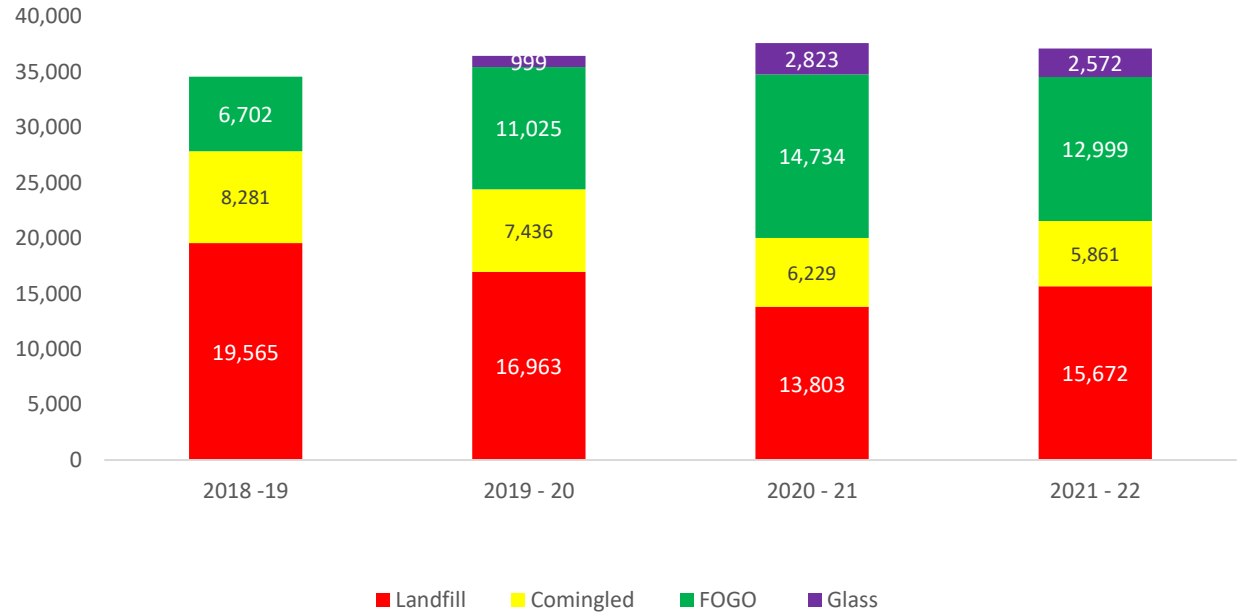
# Victoria's Container Deposit Scheme

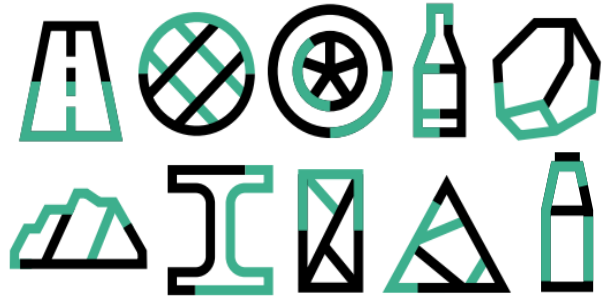


# Making it easier to recycle at home



Victoria is standardising waste and recycling with a four-stream service:  
Glass | Food and Garden Organics | Recycling | Residuals





**Recycled First Policy** using government purchasing power to increase recovered resources

29 Big Build projects currently have a Recycled First requirement



**VICTORIA'S BIG BUILD**



# Sector Engagement 2022-2023



- Metro and Regional 1-1 Visits / Site Visits :
  - 75 councils, 141 attendees, 35 CEOs
- Resource Recovery Recycling and Waste Industry Group: 18 industry, EPA, SV
- RV LG CEOs: 78 CEOs, MAV, LGV, EPA, SV
- CDS Advisory Group Meeting: 18 industry stakeholders
- RV Advisory Committee: 8 members
- Tailored Program based engagement

## Why?

- Strengthen understanding and relationships
- Intelligence re local waste and resource recovery issues
- Brief on CE Act & Recycling Victoria.
- Discuss issues, opportunities, emerging risks.
- Build sense of shared accountability for sector



# Thank you

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