

# Environmental Leadership

## Resource Recovery (Waste and Recycling) Policy Options

To seek feedback on the review of the waste/resource recovery policy/guidelines.

Park Lands, Policy & Sustainability

Associate Director Park Lands, Policy & Sustainability

Sarah Gilmour

Team Leader Circular Economy

Amandine Johnson



CITY OF  
ADELAIDE

# Resource Recovery & Waste Policy Options

## Key Messages

- Purpose of the workshop is to seek feedback on the review of the waste/resource recovery policy/guidelines
- The review is focussed on kerbside waste and bulk bin collections
- Several documents (policy, guidelines and by-law #5) inform waste and recycling services and are scheduled for review

# Resource Recovery & Waste Policy Options

## Key Questions



### KEY QUESTION 1

What are Council Members views on current Resource Recovery Strategy targets?

### KEY QUESTION 2

What are Council Members views on opportunities to review current kerbside waste services?

# Resource Recovery & Waste Policy Options Implications



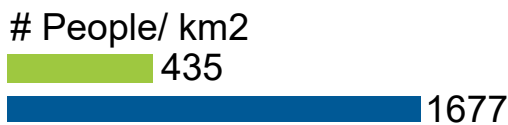
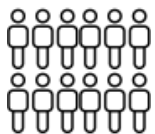
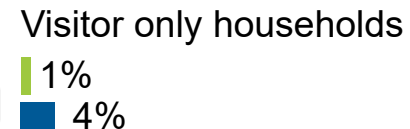
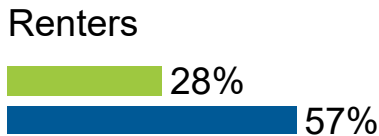
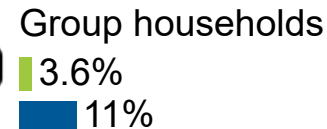
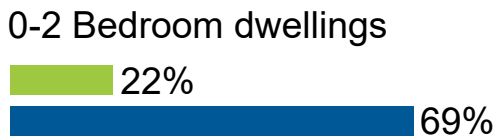
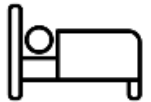
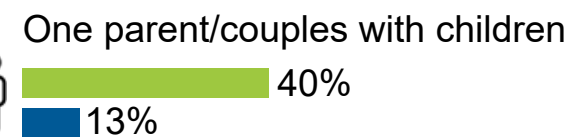
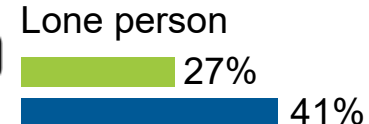
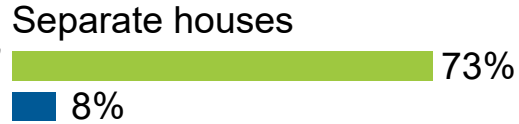
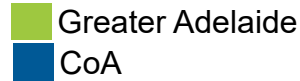
Implication	Comment
Policy	Council's policy, guidelines and bylaws related to waste management and resource recovery are scheduled for review.
Consultation	Community consultation will occur on changes to Council policy and service levels.
Budget Considerations	Changes to service provision for waste management and resource recovery may incur cost changes.
Risk / Legal / Legislative	Waste collection is governed by multiple legislations including <i>Local Government Act 1999</i> , <i>Environment Protection Act 1993</i> , ( <i>Environment Protection (Waste to Resources) Policy 2010</i> ) and the <i>Green Industries SA Act 2004</i> .
Opportunities	To improve Council waste service delivery and address strategic objectives for city amenity, safety and environmental sustainability.

# Resource Recovery & Waste Policy Options

## City and Community Statistics

### Dwellings:

### People:



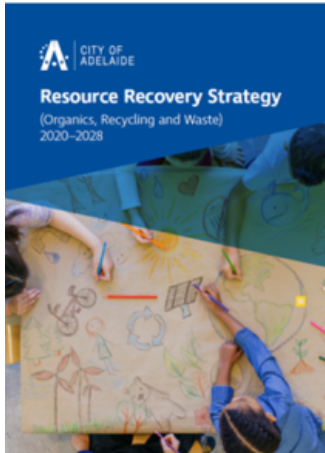
**CoA has 16km<sup>2</sup> of land with 25K people living in 14.5K dwellings with an average household size of 1.7. There are 11,519 businesses.**

Meaning:

- More people living in smaller areas, with less people in the household
- Big kerbside bins may not be suited to needs
- City environment with less space to present for collection

# Resource Recovery & Waste Policy Options

## CoA Strategic Context



### [Resource Recovery \(Organics, Recycling & Waste\) Strategy 2020-2028](#) [Resource Recovery \(Organics, Recycling and Waste\) Action Plan 2020-2028](#)

#### Priority Items:

1. Eliminate food waste
2. Engage, educate and inspire
3. Foster innovation, new technologies, and data collection
4. Prioritise and centralise resource recovery
5. Advocate and align policies, guidelines and practices to the circular economy

#### Target Areas:

1. Residents and the community.
2. Residents in multi-unit dwellings
3. Businesses
4. Public spaces
5. City of Adelaide own operations

#### KPIs:

1. Divert 75 percent of residential kerbside collected waste from landfill
2. Divert 90 percent of waste from City of Adelaide activities and events from landfill
3. Reduce waste generation by 5 percent per capita
4. Reduce contamination to below 10 percent in kerbside collected yellow co-mingled recycling
5. Reduce food waste in the kerbside collected waste bin by 50 percent
6. Apply the waste management hierarchy in all actions and consider material safety

# Resource Recovery & Waste Policy Options

## Strategic Alignment

### Global



- Focus:
- ✓ Circular economy

### Federal Government



- Focus:
- ✓ Environment protection
  - ✓ Circular Economy Ministerial Advisory Group
  - ✓ National schemes
  - ✓ On-shore processing

### State Government

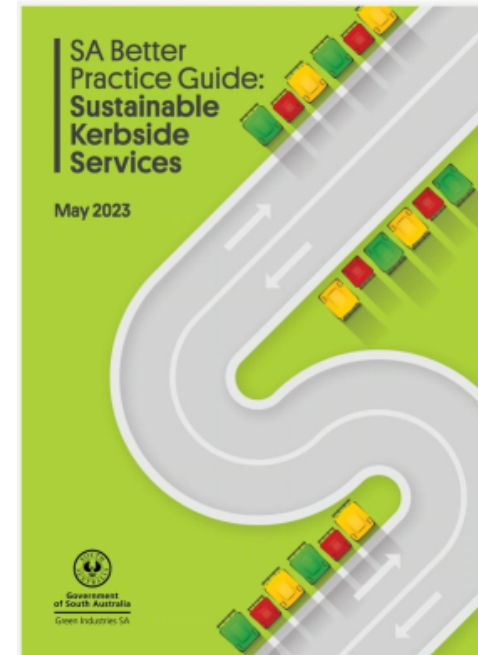


- Focus:
- ✓ Circular economy
  - ✓ Diverting/reducing food organics

# Resource Recovery & Waste Policy Options

## Sustainable Kerbside Service

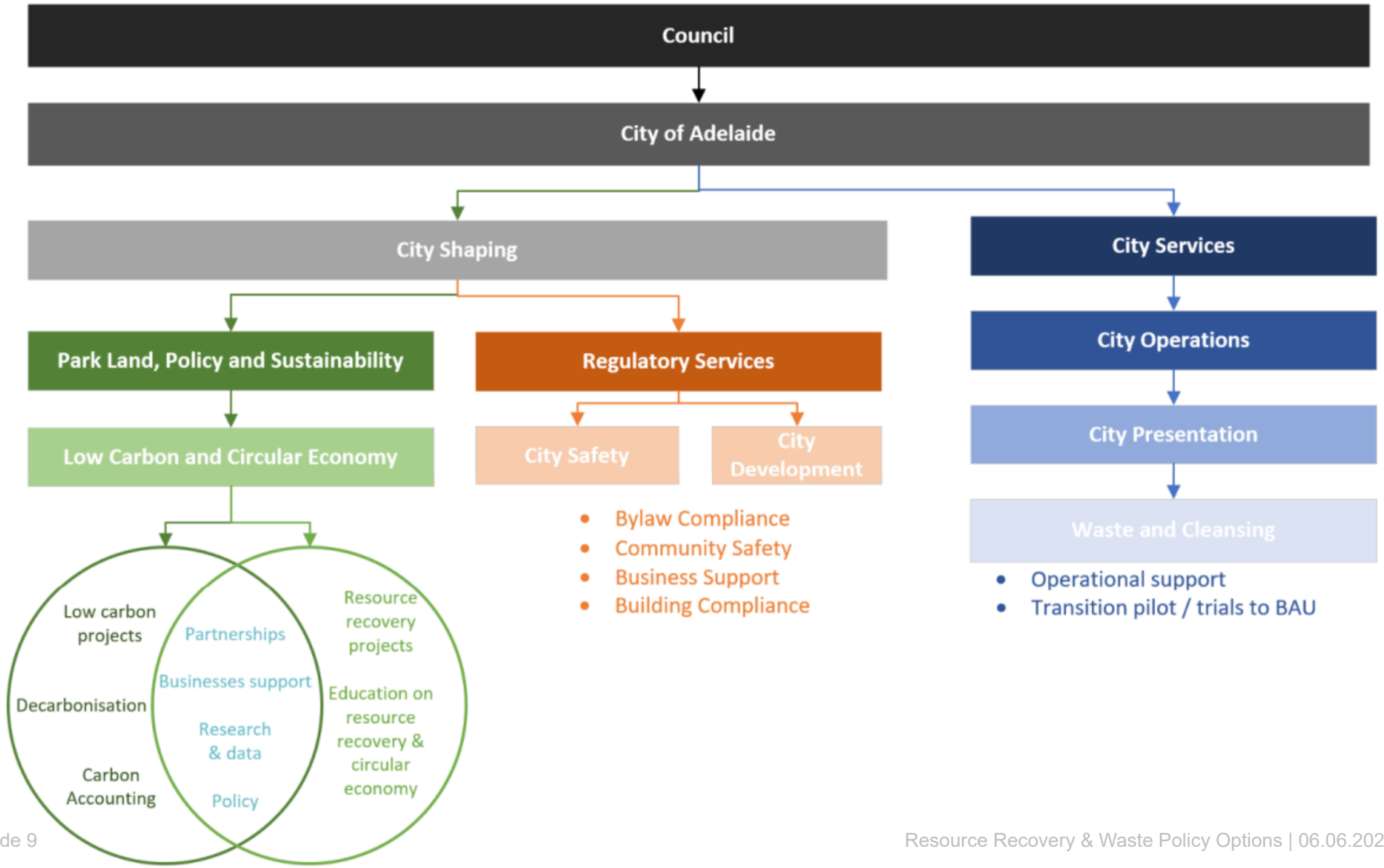
- [SA Better Practice Guide: Sustainable Kerbside Services](#) (May 2023)
  - Partnership between Green Industries SA, Environment Protection Agency and Local Government Association
- Proposes 'sustainable' three bin kerbside service comprises:
  - Fortnightly waste collection
  - Fortnightly recycling collection
  - Weekly food and green organics collection
- Based on successful implementation interstate and in the City of Holdfast Bay





# Resource Recovery & Waste Policy Options

## CoA Roles and Responsibilities



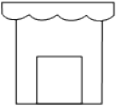

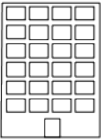
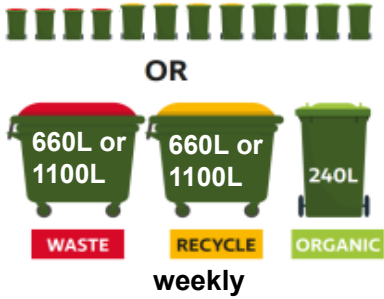


# Resource Recovery & Waste Policy Options

## Policy Context: Related Documents

DOCUMENT TYPE	TITLE	APPROVED BY	DATE	REVIEW DATE
Council Policy	<a href="#">Council Policy Waste and Recycling Services</a>	Council	22 July 2014	30 Dec 2019
Operating Guideline	<a href="#">Operating Guideline Waste and Recycling</a>	Executive Leadership Group	30 July 2014	30 July 2019
Guideline	Design Guide for Residential Recycling	N/A	15 May 2013	N/A
By-law	<a href="#">Waste Management By-Law 2018, By-law # 5</a>	Council	14 Aug 2018	New By-laws to be implemented 1 Jan 2025
Service Agreement	Site Service Agreement – Waste Management  (for multi-unit dwellings requesting a CoA service)	N/A	29 Oct 2015	N/A

# Current Kerbside & Bulk Bin Service Levels


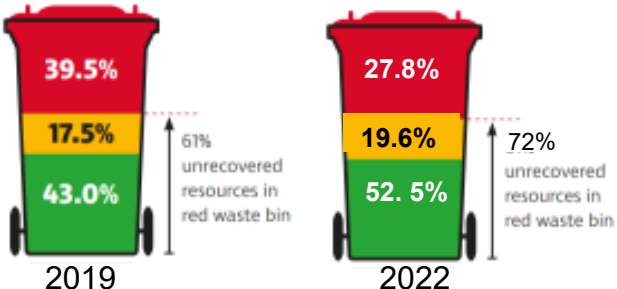
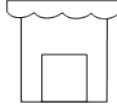
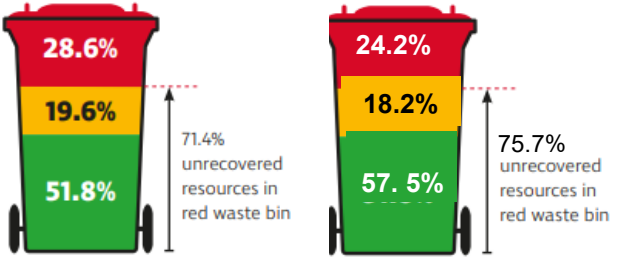
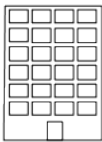
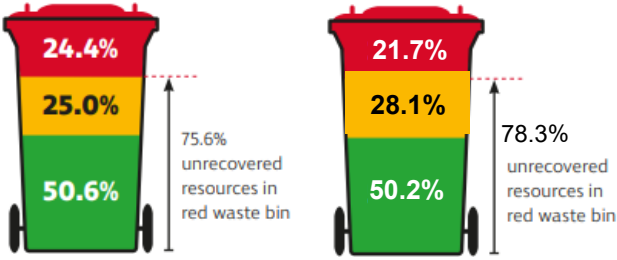
Customer	Service offering
 <p><b><u>Residential Kerbside</u></b>                      Outcomes of service:                      7,000-10,000 premises serviced by CoA                      2,000-5,000 premises serviced for green organics.</p>	
 <p><b><u>Business Kerbside</u></b>                      ~4,500 non-residential premises are serviced for waste and recycling by the City of Adelaide.                      In FY21/22, 457.18 tonnes of cardboard was collected. Council pays for collection and receives a rebate to process the material. It is unknown how many businesses utilise the cardboard service.</p>	
 <p><b><u>Multi-Unit Dwelling</u></b>                      ~80 multi-unit dwellings serviced by CoA.                      Approx 302 residential multi-unit (six or more units) dwellings commercially serviced.</p>	

## Current Performance Against Strategy Targets

Resource Recovery KPIs	Divert 75% of residential kerbside collected waste from landfill	Reduce waste generation by 5% per capita	Reduce contamination to below 10% in kerbside collected yellow co-mingled recycling	Reduce food waste in the kerbside collected red waste bin by 50%																											
<b>24 Hour Waste Audit Findings 2022 (preliminary)</b>	<span style="color: red; font-size: 2em;">✗</span> Diversion from landfill reduced from 53% in 2019 to 50% in 2022	<span style="color: green; font-size: 2em;">✓</span> 62 KG less waste generated per premise in 2022	<span style="color: red; font-size: 2em;">✗</span> More contamination in yellow recycling in 2022 than in 2019	<span style="color: green; font-size: 2em;">✓</span> Less food waste found in the red waste bin in 2022 than in 2019																											
<p><b>KERBSIDE DIVERSION FROM LANDFILL</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>COA AVERAGE</th> <th>SA AVERAGE</th> <th>SA TARGET</th> </tr> </thead> <tbody> <tr> <td>2019</td> <td>53%</td> <td>49%</td> <td>60%</td> </tr> <tr> <td>2020</td> <td>50%</td> <td>49%</td> <td>60%</td> </tr> <tr> <td>2021</td> <td>50%</td> <td>49%</td> <td>60%</td> </tr> <tr> <td>2022</td> <td>50%</td> <td>49%</td> <td>60%</td> </tr> <tr> <td>2023</td> <td>50%</td> <td>49%</td> <td>60%</td> </tr> <tr> <td>2025</td> <td>50%</td> <td>49%</td> <td>70%</td> </tr> </tbody> </table>	Year	COA AVERAGE	SA AVERAGE	SA TARGET	2019	53%	49%	60%	2020	50%	49%	60%	2021	50%	49%	60%	2022	50%	49%	60%	2023	50%	49%	60%	2025	50%	49%	70%	<p>2019: ~650 KG/PA /PREMISE 2022: ~588KG/PA /PREMISE</p>	<p>2019: 12.3% CONTAMINATION 2022: 18% CONTAMINATION</p>	<p>2019: 39.85% food 2022: 38.7% food</p>
Year	COA AVERAGE	SA AVERAGE	SA TARGET																												
2019	53%	49%	60%																												
2020	50%	49%	60%																												
2021	50%	49%	60%																												
2022	50%	49%	60%																												
2023	50%	49%	60%																												
2025	50%	49%	70%																												

# Resource Recovery & Waste Policy Options

## Research & Data

Customer	Audit Results: Red Waste Bin	Opportunities
 <p><b>Residential Kerbside</b></p>	 <p>2019                      2022</p>	<p>Opportunity to:</p> <ul style="list-style-type: none"> <li>- better understand customers and needs including service types, frequency and bin size requirements</li> <li>- divert more food organics through change of service.</li> </ul>
 <p><b>Business Kerbside</b></p>	 <p>2019                      2022</p>	<p>Opportunity to:</p> <ul style="list-style-type: none"> <li>- divert green organic material from businesses services by CoA.</li> <li>- establish stronger rapport with businesses &amp; understand their needs</li> </ul>
 <p><b>Multi-Unit Dwelling</b></p>	 <p>2019                      2022</p>	<p>Opportunity to:</p> <ul style="list-style-type: none"> <li>- Transition all multi-unit dwellings to at minimum a 3-bin service</li> <li>- Provide additional resource recovery systems</li> </ul>

## Resource Recovery & Waste Policy Options

# Opportunities for Policy Framework

1. Strategic Policy Intent – opportunity to increase focus on circular economy
2. Existing Delivery Policy - update existing suite for waste and resource recovery
3. Service Level Changes – opportunity to consider service level changes
4. Pilots/projects – delivery of pilot projects and/or staged implementation of larger scale changes
5. Partnerships - Fight Food Waste CRC, Green Industries SA (Sustainable Kerbside Services)

- 1. August 2023 - Council Committee Report**
  - to present audit findings and discussion about policy
- 2. September 2023 - Council Report**
  - draft policy presented to Council for feedback and seeking approval for community consultation on draft policies
- 3. November 2023 - Council Report**
  - to present community consultation feedback on waste and recycling policies

# Resource Recovery & Waste Policy Options

## Key Questions



### KEY QUESTION 1

What are Council Members views on current Resource Recovery Strategy targets?

### KEY QUESTION 2

What are Council Members views on opportunities to review current kerbside waste services?