



**CANBERRA REGION**  
JOINT ORGANISATION

# Regional Waste and Sustainable Materials Strategy

2022-27

Action Plan

9 December 2022

## ACKNOWLEDGEMENT OF COUNTRY

*We acknowledge Country and pay respect to the Traditional Owners and Custodians of the land and waters across South East New South Wales. We recognise and honour their ancient cultures and their spiritual, cultural and physical connections with land, waters and community.*

*For over 70,000 year this Country has been inhabited and cared for by First Nations people from various mobs and dialects. We pay our respects and gratitude for their stewardship and for sustaining this land where we live, work, and visit. Their connection and understanding of the natural and cultural landscape is seen and heard through art, song, dance, and storytelling practices. We recognise the importance of these First stories, the contemporary stories of displacement, and the continued journey of self-determination in Australia.*

### Acknowledgement of funding:

*This program is funded and supported by the NSW EPA through the Waste and Sustainable Materials Strategy 2041.*

### Acknowledgement of the member councils:



### Acknowledgement of associate members:



DOCUMENT CONTROL					
Version	Description	Date	Author	Reviewer	Approver
1.0	1 <sup>st</sup> Draft Release	6/10/2022	TA	AU	RM
2.0	2 <sup>nd</sup> Draft Release	15/11/2022	TA	AU	RM
3.0	Final Draft	23/11/2022	TA	AU	RM
4.0	Final	09/11/2022			RM

---

## Table of Contents

<b>1</b>	<b>Introduction .....</b>	<b>1</b>
1.1	Targets and KPIs .....	2
<b>2</b>	<b>Action Plan .....</b>	<b>3</b>
2.1	Theme 1: Avoid or Reduce .....	3
2.2	Theme 2: Recover Resources .....	4
2.3	Theme 3: Protect the environment .....	5
2.4	Theme 4: Strategic Collaboration .....	7

## Tables

Table 1-1: Targets and KPIs.....	3
Table 2-1: Theme 1 Action Plan Summary.....	3
Table 2-2: Theme 2 Action Plan Summary.....	4
Table 2-3: Theme 3 Action Plan Summary.....	5
Table 2-4: Theme 4 Action Plan Summary.....	7

## 1 Introduction

The Action Plan contains a variety of actions that address each of the WaSM Priority Areas and Themes, along with Canberra Region Joint Organisation's (CRJO's) sub-themes and assist the region to strive towards the WaSM Targets. The WaSM Themes have been utilised to structure the Action Plan in the following sections.



Several actions address more than one WaSM Theme and therefore are shown more than once within the Action Plan summaries in the following sections. To provide clarity regarding duplicate actions across multiple Themes, the Actions have been numbered individually from 1 to 51, with the same reference number allocated to each action no matter which Theme it addresses.

The Action Plan provides an indication of the timeline for project delivery via a priority allocated to each action by the member councils. However, the timeline for delivery is a guide and can be altered where necessary if a relevant funding program becomes available. The timeline for delivery of each action is split into the following three phases:

- Year 1 (2022 - 2023);
- Years 2 to 3 (2024 - 2025); and
- Years 4 to 5 (2026 - 2027).

Each Action is listed a responsible entity. In most cases this is CRJO and the Regional Coordinator however, in other instances, a member council or group of member councils may be responsible. Distributing who is responsible places greater ownership on the projects while providing greater capacity to achieve more. Responsibility is largely influenced by the type of project or action, in particular, whether it's a local, sub-regional or regional initiative. However, collaboration will be critical and utilising the human and financial resources of the CRJO members will ensure greater success.

CRJO is committed to reviewing the Action Plan on an annual basis to adjust for changes to projects or timelines as funding, policy and/or industry changes occur, or to reevaluate targets and KPIs if necessary.

In addition, the Action Plan is supported by an electronic version which cross references the actions against the CRJO sub-themes and WaSM grant programs to assist in identifying suitable projects when funding opportunities are available. This electronic version is available to CRJO and member councils.



## 1.1 Targets and KPIs

CRJO and its member councils fully support the targets within the WaSM Strategy. The targets are, however, often aspirational for regional/rural areas yet CRJO will strive to achieve the targets over the next 20 years. To support this notion, CRJO commits to the following targets and reporting against the associated key performance indicator (KPIs).

**Table 1-1: Targets and KPIs**

Target	KPI	#	Source Data
Advocate for the reduction of total waste generated by 10% per person by 2030	Annual reduction in waste generated per person	1	EPA WARR Reports
Advocate for an average recovery rate of 80% for residual waste, recycling and organics by 2030	Annual increase in recovery rate for residual waste, recycling and organics	2	EPA WARR Reports
Significantly increase the use of recycled content by governments and industry	Annual increase in the use of recycled content	3	Councils
Support the phase out of problematic and unnecessary plastics by 2025	Annual decrease in use of problematic and unnecessary plastics	4	Compositional Audits
Halve the amount of organics waste sent to landfill by 2030	Annual reduction in organics sent to landfill	5	Compositional Audits + EPA WARR Reports
Reduce plastic litter items by 30% by 2025	Annual reduction in plastic litter	6	EPA Litter Audits
Reduce the overall litter by 60% by 2030	Annual reduction in litter	7	EPA Litter Audits
Triple the plastic recycling rate by 2030	Annual increase in plastic recycling	8	Compositional Audits + EPA WARR Reports
Net Zero Emissions by 2050	Annual decrease in emissions	9	Councils

KPIs align with the WaSM targets and have been referenced 1 to 9. Each action within the Action Plan is allocated a KPI reference number. In some instances, actions may contribute towards more than one KPI and therefore, will reference several KPIs. CRJO is committed to reporting against the KPIs on an annual basis.

These targets provide clear guidance for the CRJO member councils to support and contribute to the WaSM targets and deliver reduced waste generation and improved recycling and

resource recovery. The KPIs provide a metric to report against on an annual basis which demonstrates an ongoing contribution to the targets.



Source: CRJO

## 2 Action Plan

### 2.1 Theme 1: Avoid or Reduce

Table 2-1: Theme 1 Action Plan Summary

WaSM Priorities			#	Actions	Implementation Year				Local (L)/ Regional	Responsibility	KPI(s)
Meeting our future infrastructure and service needs	Reducing carbon emissions through better waste and materials management	Building on our work to protect the environment and human health from waste pollution			1	2-3		4-5			
✓			1	Develop regional waste education guidance accessible to all councils, to support the correct use of recycling and organics.		2-3	2-3		R	CRJO	2, 5
✓			2	Develop regional media accessible to all councils, to support the correct use of recycling and organics.		2-3	2-3		R	CRJO	2, 5
✓			3	Facilitate the use of a shared resource for waste education.		2-3	2-3		R	CRJO/ Councils	1, 4, 6, 8
✓			4	Develop an interactive digital program for waste education.		2-3	2-3		R	CRJO	1, 4, 6, 8
✓			5	Facilitate knowledge sharing/projects/lessons learnt within the region through online and face-to-face workshop/webinars supported by an online data portal/library.		2-3	2-3		R	CRJO	2
✓			6	Develop a regional waste education program in collaboration with ACT	1				R	CRJO	1, 4, 6, 8
✓			25	Collaborate with research institutions to develop circular economy opportunities via Think Tanks or similar				4-5 4-6	R	CRJO/ Councils	1, 3, 8
✓			27	Develop a scoping study for circular economy projects		2-3	2-4		R	CRJO	1, 3, 8
✓			28	Develop a regional circular economy strategy	1				R	CRJO	1, 3, 8
		✓	42	Support delivery of Single Use Plastic Ban through educational campaigns and advocate for plastic waste prevention		2-3	2-4		R	CRJO/ Councils	4
		✓	45	Implement an asbestos awareness campaign and/or provide training/guidance regarding its correct management.				4-5 4-5	R	CRJO/ Councils	1, 7
✓		✓	46	Explore plastic reduction and/or innovative processing opportunities.				4-5 4-5	R/L	CRJO/ Councils	4, 6, 7, 8



## 2.2 Theme 2: Recover Resources

Table 2-2: Theme 2 Action Plan Summary

WaSM Priorities			#	Actions	Implementation Year			Local (L)/ Regional	Responsibility	KPI(s)		
Meeting our future infrastructure and service needs	Reducing carbon emissions through better waste and materials management	Building on our work to protect the environment and human health from waste pollution			1	2-3	4-5					
✓			11	Investigate and implement a regional procurement for metal collection, organics processing, concrete crushing, solar panel collection, kerbside collections and/or mattresses or any other key material stream identified.		2-3	2-3		R	CRJO	2, 3, 5	
✓	✓		13	Develop a regional solution for FOGO processing.	1				R	CRJO/ Councils	2, 5	
✓		✓	14	Establish a mobile CRC for Yass, Hilltops and Upper Lachlan	1				R	CRJO/ Councils	1, 2, 7	
✓		✓	30	Support the consolidation of landfills and closure or conversion into resource recovery centres.		2-3	2-3		R/L	CRJO/ Councils	9	
✓		✓	33	Regional Aboriginal communities waste management Strategy		2-3	2-3		R	CRJO	2	
✓			40	Facilitate and support the transition to, or improvement of, FOGO collections and processing programs.	1				R/L	CRJO/ Councils	2, 5	
✓		✓	43	Explore opportunities to participate in a Textile Recycling Program.				4-5	4-5	L	CRJO/ Councils	2, 3
✓			44	Investigate Microfactories and establish a trial facility within the region.				4-5	4-5	L	CRJO/ Councils	1, 3, 8
✓		✓	46	Explore plastic reduction and/or innovative processing opportunities.				4-5	4-5	R/L	CRJO/ Councils	4, 6, 7, 8
		✓	47	Continue to investigate new recyclable material streams for councils and/or industry to develop markets and manage.				4-5	4-5	R	CRJO	2, 3, 8
		✓	48	Support councils to actively inform residents what happens with recycling streams and ensure evidence is publicly available through communications and education programs.		2-3	2-4			L	CRJO/ Councils	2
✓			49	Support the establishment, improvement and/or expansion of resource recovery centres and landfills to include Reuse/Buy Back (tip) Shops.				4-5	4-5	L	CRJO/ Councils	1, 2, 5, 8
✓	✓		50	Support the improvement of existing resource recovery centres and landfills to facilitate greater resource recovery and protection of the environment.				4-5	4-5	L	CRJO/ Councils	1, 2, 5, 8, 9
		✓	51	Monitor and assist in developing Extended Producer Responsibility (EPR) and/or Product Stewardship schemes.		2-3	2-4			R	CRJO	2, 3, 8

## 2.3 Theme 3: Protect the environment

Table 2-3: Theme 3 Action Plan Summary

WaSM Priorities			#	Actions	Implementation Year				Local (L)/ Regional	Responsibility	KPI(s)
Meeting our future infrastructure and service needs	Reducing carbon emissions through better waste and materials management	Building on our work to protect the environment and human health from waste pollution			1	2-3	4-5				
✓		✓	14	Establish a mobile CRC for Yass, Hilltops and Upper Lachlan	1				R	CRJO/ Councils	1, 2, 7
✓	✓	✓	15	Develop a business case for a regional landfill gas capture procurement		2-3	2-3		R	CRJO/ Councils	9
✓	✓	✓	16	Implement a regional procurement for landfill gas capture		2-3	2-3		R	CRJO/ Councils	9
✓		✓	30	Alternative fuel collection vehicle study and trial.		2-3	2-3		R/L	CRJO/ Councils	9
✓		✓	33	Support the consolidation of landfills and closure or conversion into resource recovery centres.		2-3	2-3		R	CRJO	2
✓		✓	35	Regional Aboriginal communities waste management Strategy		2-3	2-3		R	CRJO	1, 2
✓		✓	37	True cost of Landfill study		2-3	2-4		R	CRJO/ Councils	1, 2, 6, 7
✓		✓	38	Cross Jurisdictional Illegal Dumping Awareness and Prevention Campaign				4-5 4-5	R	CRJO/ Councils	1, 2, 6, 7
✓		✓	39	Cross Jurisdictional Regional Illegal Dumping Strategy				4-5 4-5	R	CRJO/ Councils	1, 2, 6, 7
✓			41	Cross Jurisdictional Regional Litter Prevention Strategy				4-5 4-6	L	CRJO/ Councils	2
		✓	42	Explore options for onsite collections from MUDs including residual, recycling and organics		2-3	2-4		R	CRJO/ Councils	4
		✓	45	Support delivery of Single Use Plastic Ban through educational campaigns and advocate for plastic waste prevention				4-5 4-5	R	CRJO/ Councils	1, 7
✓		✓	46	Implement an asbestos awareness campaign and/or provide training/guidance regarding its correct management.				4-5 4-5	R/L	CRJO/ Councils	4, 6, 7, 8
✓			49	Explore plastic reduction and/or innovative processing opportunities.				4-5 4-5	L	CRJO/ Councils	1, 2, 5, 8
✓	✓		50	Support the establishment, improvement and/or expansion of resource recovery centres and landfills to include Reuse/Buy Back (tip) Shops.				4-5 4-5	L	CRJO/ Councils	1, 2, 5, 8, 9

---

		✓	51	Support the improvement of existing resource recovery centres and landfills to facilitate greater resource recovery and protection of the environment.		2-3	2-4			R	CRJO	2, 3, 8
--	--	---	----	--	--	-----	-----	--	--	---	------	---------

## 2.4 Theme 4: Strategic Collaboration

Table 2-4: Theme 4 Action Plan Summary

WaSM Priorities			#	Actions	Implementation Year			Local (L)/ Regional	Responsibility	KPI(s)	
Meeting our future infrastructure and service needs	Reducing carbon emissions through better waste and materials management	Building on our work to protect the environment and human health from waste pollution			1	2-3	4-5				
✓			1	Develop regional waste education guidance accessible to all councils, to support the correct use of recycling and organics.		2-3	2-3		R	CRJO	2, 5
✓			2	Develop regional media accessible to all councils, to support the correct use of recycling and organics.		2-3	2-3		R	CRJO	2, 5
✓			3	Facilitate the use of a shared resource for waste education.		2-3	2-3		R	CRJO/ Councils	1, 4, 6, 8
✓			4	Develop an interactive digital program for waste education.		2-3	2-3		R	CRJO	1, 4, 6, 8
✓			5	Facilitate knowledge sharing/projects/lessons learnt within the region through online and face-to-face workshop/webinars supported by an online data portal/library.		2-3	2-3		R	CRJO	2
✓			6	Develop a regional waste education program in collaboration with ACT	1				R	CRJO	1, 4, 6, 8
✓			7	Develop a procurement principles guideline (including ACCC requirements for regional projects)		2-3	2-3		L/R	CRJO/ Councils	3
✓			8	Undertake composition audits.		2-3	2-3		L/R	CRJO/ Councils	1, 2
✓			9	Investigate Regional Waste Collection Software		2-3	2-3		R	CRJO	2, 9
✓			10	Facilitate the use of a shared resource for procurement.		2-3	2-3		R	CRJO	3
✓			11	Investigate and implement a regional procurement for metal collection, organics processing, concrete crushing, solar panel collection, kerbside collections and/or mattresses or any other key material stream identified.		2-3	2-3		R	CRJO	2, 3, 5
✓			12	Update CRJO Regional Waste Infrastructure Prospectus based on a waste perspective	1				R	CRJO	2
✓	✓		13	Develop a regional solution for FOGO processing.	1				R	CRJO/ Councils	2, 5
✓		✓	14	Establish a mobile CRC for Yass, Hilltops and Upper Lachlan	1				R	CRJO/ Councils	1, 2, 7

✓	✓	✓	15	Develop a business case for a regional landfill gas capture procurement		2-3	2-3			R	CRJO/ Councils	9
✓	✓	✓	16	Implement a regional procurement for landfill gas capture		2-3	2-3			R	CRJO/ Councils	9
✓			17	Investigate and map closed legacy landfills across the region.				4-5	4-6	R	CRJO	9
✓			18	Engage with EPA and advocate for an appropriately funded legacy landfill grant program		2-3	2-4			R	CRJO	9
✓			19	Investigate the feasibility of 'real time' waste reporting.				4-5	4-6	R	CRJO/ Councils	1, 2, 5
✓			20	Investigate an online regional information and data collection, dashboard and hosting platform/portal.		2-3	2-4			R	CRJO	2
✓			21	Improve data capture and accuracy at WMFs without a weighbridge.				4-5	4-6	R	CRJO/ Councils	1, 2, 5
✓		✓	22	Conduct a 'lessons learnt' activity from recent natural disasters and develop a guidance document.	1					R	CRJO	2
✓			23	Develop an emergency Waste Management Plan Template for councils	1					L	CRJO	2
✓		✓	24	Develop a Regional emergency Waste Management Plan		2-3	2-4			R	CRJO	2
✓			25	Collaborate with research institutions to develop circular economy opportunities via Think Tanks or similar				4-5	4-6	R	CRJO/ Councils	1, 3, 8
✓			26	Undertake a regional material flow analysis	1					R	CRJO	2
✓			27	Develop a scoping study for circular economy projects		2-3	2-4			R	CRJO	1, 3, 8
✓			28	Develop a regional circular economy strategy	1					R	CRJO	1, 3, 8
✓			31	Establish a proactive cross-jurisdictional committee with ACT NoWaste and Wagga		2-3	2-3			R	CRJO	1, 2, 6, 7
✓			32	Establish a MoU with ACT NoWaste for joint funding and collaboration		2-3	2-3			R	CRJO	2
✓		✓	37	Fees, Charges & Landfill Levy Study - Comparison of member councils, explore harmonisation and impact the levy would have on the region.		2-3	2-4			R	CRJO/ Councils	1, 2, 6, 7
✓		✓	38	Solar public place compactor bin study and trials				4-5	4-5	R	CRJO/ Councils	1, 2, 6, 7
✓		✓	39	Cross Jurisdictional Illegal Dumping Awareness and Prevention Campaign				4-5	4-5	R	CRJO/ Councils	1, 2, 6, 7
✓			40	Cross Jurisdictional Regional Illegal Dumping Strategy	1					R/L	CRJO/ Councils	2, 5
		✓	42	Cross Jurisdictional Regional Litter Prevention Strategy		2-3	2-4			R	CRJO/ Councils	4

✓		✓	43	Facilitate and support the transition to, or improvement of, FOGO collections and processing programs.				4-5	4-5	L	CRJO/ Councils	2, 3
✓			44	Support delivery of Single Use Plastic Ban through educational campaigns and advocate for plastic waste prevention				4-5	4-5	L	CRJO/ Councils	1, 3, 8
		✓	45	Explore opportunities to participate in a Textile Recycling Program.				4-5	4-5	R	CRJO/ Councils	1, 7
		✓	48	Investigate Microfactories and establish a trial facility within the region.		2-3	2-4			L	CRJO/ Councils	2
		✓	51	Implement an asbestos awareness campaign and/or provide training/guidance regarding its correct management.		2-3	2-4			R	CRJO	2, 3, 8



**CANBERRA REGION**  
JOINT ORGANISATION

Canberra Region Joint Organisation (CRJO)

Suite 6B (Upper Level)

2 Brindabella Circuit

Brindabella Business Park

Canberra Airport ACT 2609

[reception@crjo.nsw.gov.au](mailto:reception@crjo.nsw.gov.au)