



Colac Otway
SHIRE

**Resource Recovery and Waste
Management Strategy
2021-2030**



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MAYOR'S MESSAGE

MAYOR'S MESSAGE

Colac Otway Shire Council is planning for a sustainable future by reducing waste management costs and leading the way in responsible resource recovery and a conscientious reduction in waste to landfill.

We have already taken steps to become the first carbon neutral Council in regional Victoria, saving thousands of dollars a year in operational energy costs and providing reassurance to our community that our efforts and investment to reduce our carbon footprint over the past decade have reached their target.

Maximising our recycling processes, composting and minimising landfill through innovative and well-considered waste management is our ongoing goal to improve efficiencies, reduce costs and care for our environment.

Colac Otway Shire has proudly been a leader in greenwaste reuse for more than two decades, introducing separate greenwaste bins in 1998 and convenient compost caddies in 2015 to encourage food waste composting.

We were able to find alternative recycling processing during the recycling crisis in 2019, and were among just a handful of Councils which avoided sending thousands of tonnes of recyclables to landfill.

Colac Otway Shire Council's Draft Resource Recovery and Waste Management Strategy 2021-2030 is an important document to guide how we will build on current initiatives and introduce innovative practices to reduce, reuse and recycle into the future.

This draft strategy proposes how Colac Otway Shire will deliver a sustainable service which meets community expectations now and for a significantly increased population.

Key actions of the strategy include the introduction of an additional kerbside bin for glass collection; options for handling hard waste; adoption of a sustainable Waste Policy and Operational Guidelines; encouragement of more reuse/recycling/circular economy measures.



KATE HANSON - MAYOR



EXECUTIVE SUMMARY

EXECUTIVE SUMMARY



The purpose of this strategy is to set a vision that assists residents of the Colac Otway Shire community to manage waste and resource recovery in a way that minimises impacts on the environment. It also sets the goals, actions and targets we need to help us get there.

OUR VISION

“Towards a prosperous and sustainable future”

OUR AIM

To provide equitable resource recovery services and infrastructure that meet the needs of the community whilst waste minimisation, resource re-use and recovery.

OUR OBJECTIVES

1. Sustainable Management of Resources

To engage, educate and promote sustainable practices.

2. Recover/Reuse more Resources

To provide convenient and affordable waste services that meet the needs of the community to reduce their potential environmental, social and financial costs.

3. Protect the Environment

To minimise negative impacts of waste on the environment

Key actions include:

- Manage all waste streams more effectively
- More effective recycling and separating systems
- Separate glass from recycling stream
- Deliver community education programs to support the reduction of kerbside bin contamination and increase resource recovery
- Reduce landfill disposal volumes
- Transfer station resource management
- Partnering with government agencies, other councils and organisations to explore opportunities for resource recovery and alternative waste technologies.
- Explore opportunities for social enterprises

INTRODUCTION

INTRODUCTION

The Colac Otway Shire Resource Recovery and Waste Management Strategy (the strategy) outlines sustainable resource recovery and waste management strategies for the next ten years.

The purpose of this strategy is to set a vision that can lead the Shire community to manage waste and resource recovery in a way that minimises impacts on the environment, supports the community to live more sustainably and is managed within current financial parameters. The strategy reflects the context globally and nationally that shapes our waste management system, as well as the community views identified during our engagement process.

The strategy is developed in three distinct sections. The current legislative framework both on a federal and state level is outlined in Part 2, whilst Councils current response in terms of services provided and outcomes from community engagement (“expectations”) are detailed in Parts 3 & 4. Hence with legislative change and community expectation of Council services, the policy environment for the strategic term of 2021-30 is defined. Part 5 investigates the challenges and opportunities available to Council to include in the strategy for the future, with the strategic plan developed and target objectives stated in Part 6 accompanied by an implementation plan in Part 7.

DISCLAIMER & INFORMATION STATEMENT

Information, strategy, policy, and financial costing in this document has been collated using all available data obtained in 2020. Items in this document are subject to change over the 10-year strategy period based on many factors including but not limited to Government policy and direction, Council Plan and policy, market fluctuations, service provider availability and community expectations and feedback. Should any new or modified service not included, or omitted, from the current strategy be found to provide benefit to the environment and community, be required to meet Key indicators within the Council Plan or be identified by formal Councilor direction then Officers will review identified services and provided feedback in line with the intent of the strategy.

OUR STRATEGIC OBJECTIVE

To provide equitable resource recovery services and infrastructure that meet the needs of the community whilst prioritising waste minimisation, resource reuse and recovery.

Vision & Scope of the Strategy

Our Strategic Vision is ‘Towards a Prosperous & Sustainable future’

Our values define how we act and function; we will:

- Be supportive, inclusive and respectful
- Take a positive approach to our work
- Commit to safe work practices
- Be accountable and proactive
- Act with integrity
- Communicate effectively
- Work as a team
- Be flexible and progressive

The Resource Recovery and Waste Management Strategy 2021-2030 provides actions and plans which will deliver better waste and resource recovery services, that support the community in continuing to minimise waste generation and maximise waste diversion from landfill.

The Strategy articulates our vision for the future and sets goals and targets based on our current waste performance (i.e. consumption and recycling behaviours, services, infrastructure) and actions. The implementation plan outlines the strategies for achieving the vision.

In developing this strategy, preliminary work included an on ground assessment of the current situation and a desktop study of various strategies and reports on a regional, state and national level. Input from the community was important to ensure the delivery of our waste programs were aligned to community expectations. Feedback from the community consultation has been used to develop strategies and actions for achieving the vision outlined in this strategy.

INTRODUCTION

INTRODUCTION

This strategy has been developed in the context of the regional objectives from the Barwon South Waste and Resource Recovery Implementation Plan to:

- Achieve behaviour change that reduces waste generation and increases resource recovery
- Encourage innovative and cost-effective ways to increase resource recovery
- Identify and establish industry relationships to build market opportunities to maximise resource recovery
- Facilitate the aggregation of services through joint procurement to maximise resource recovery and cost effectiveness
- Plan for future waste and resource recovery infrastructure and service needs for the region

BACKGROUND

There was a significant impact on the kerbside collection arrangements in 2018-19 when China implemented its National Sword policy, which enforced strict contamination thresholds on its import of recycled materials. This caused widespread disruptions to global recycling markets.

As China was the largest importer of recyclable materials globally, its policy led to a worldwide collapse in recyclable material prices. Alternative export destinations including India, Indonesia, Malaysia, Taiwan, Thailand and Vietnam followed China by introducing import restrictions over the period from July 2018 to April 2019.

Victoria, like many other states and nations, exported large amounts of recycled materials. Approximately 1.27 million tonnes of paper, plastic and cardboard each year were sent to overseas markets such as China and Malaysia. This includes 30 per cent of all recycling collected from Victorian households.

In early 2019, the Environment Protection Authority (EPA) Victoria issued SKM (a major kerbside recycling collector / sorter) with notices to cease accepting recyclable waste materials at its plants in response to large stockpiles of combustible recyclable waste materials at these sites. As a result, 34 of the 79 Victorian local governments started sending recyclables to landfill at an additional cost for periods of between three to four months. Colac Otway Shire recycling collections continued as normal as the

recycling was sent to an alternative recycling centre, this was due to Council staff and the collection contractors working proactively together.

The impact of these actions has seen a significant increase in the cost of providing a kerbside recyclables collection, with Local Governments now paying contractors more to dispose of the recycling.

In February 2020, the Victorian Government released Recycling Victoria: a new economy (Recycling Victoria Policy), which provides a blueprint for a safe, resilient and efficient recycling system in Victoria. Recycling Victoria represents the Victorian government's action plan to reform our waste and recycling system over the next decade. It includes a complete overhaul of our recycling system, with reforms to kerbside recycling, the introduction of a container deposit scheme, new investment in the industry and the recognition of waste management as an essential service.

Global trends indicate governments around the world are making the shift to a more circular economy, with many businesses employing circular economy principles. Responding to this is important for Victoria's international competitiveness.

WASTE MANAGEMENT HIERARCHY

The Environment Protection Act 1970 is the primary legislation that deals with Victorian waste management and resource recovery. It establishes a waste management hierarchy, which sets out an order of preference for how waste should be managed to help achieve the best possible environmental outcomes.

The waste management hierarchy is the underlying principle of waste management policies in Australia and is included in the Environment Protection Act 1970.



LEGISLATION & POLICY

LEGISLATION & POLICY CONTEXT

Council acts within a wide policy framework for waste management. Development of this Strategy is influenced by national, state and local government *acts, regulations and policies*, as well as regional initiatives of the Barwon South West Waste and Resource Recovery Group (BSWRRG). It is also developed within the context of community expectations and past performance.

NATIONAL LEGISLATIVE CONTEXT

The National Waste Policy: Less Waste, More Resources 2018 (Commonwealth of Australia 2018) sets a national framework for waste management. Its guiding principles include sustainable consumption and production; the shared responsibility of Australian businesses, governments, communities and individuals; and the benefits of a circular economy.

This National Action Plan creates targets and actions to implement the 2018 National Waste Policy. These targets and actions will guide investment and national efforts to 2030 and beyond.

The following seven national targets were adopted as part of the National Waste Policy Action Plan.

1. Ban the export of waste plastic, paper, cardboard, glass and tyres commencing in the second half of 2020
2. Reduce total waste generation in Australia by 10 per cent per person by 2030
3. Achieve 80 per cent average resource recovery rate from all waste streams following the waste hierarchy by 2030
4. Significantly increase the use of recycled content by government and industry
5. Phase out problematic and unnecessary plastics by 2025
6. Halve the amount of organic waste sent to landfill for disposal by 2030
7. Make comprehensive, economy-wide and timely data publicly available to support better consumer, investment and policy decisions.

VICTORIAN GOVERNMENT POLICY "RECYCLING VICTORIA: A NEW ECONOMY"

"Recycling Victoria: a new economy" is the Victorian Government's 10-year policy and action plan for waste and recycling and includes plans to "provide support for local communities and councils".

The intent of the plan is to establish a recycling system that Victorians can rely on. The plan dictates how the economy uses materials, and also how the state reuses, repairs and recycles to ensure a circular economy is developed and maintained.

What is a circular economy?

A circular economy continually seeks to reduce the environmental impacts of production and consumption, while enabling economic growth through more productive use of natural resources.

It allows us to avoid waste through innovative design and effective recovery of materials that can be reused. It promotes more optimised business models that encourage intense and efficient product use, such as sharing products between multiple users, or supplying a product as a service that includes maintenance, repair and disposal.

By adopting a circular economy, the value people obtain from the resources used to create goods and services increases also serves to transform our linear economy mindset - take, use and throw away - whilst fostering innovation and productivity that invigorates existing businesses and creates new ones. Therefore delivering more jobs and growth for local, regional, state and global economies.

Recycling Victoria– Victoria's circular economy policy and action plan aims to set clear policy direction and presents a long-term plan to improve the recycling system. The plan aims to satisfy the community needs for a circular economy that prioritises more sustainable and innovative use of materials, minimises the impacts of climate change and reduces waste and pollution.

LEGISLATION & POLICY

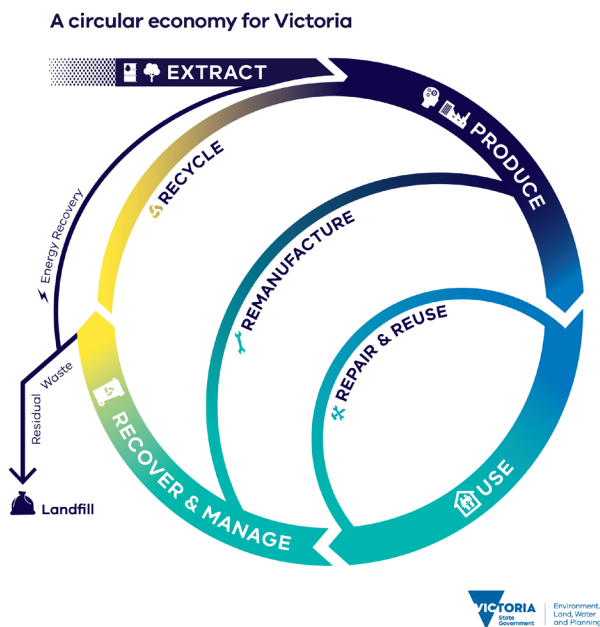
LEGISLATION & POLICY CONTEXT

The plan proposes taking robust action on specific materials, including plastics and food waste. This policy proposes targeted, long-term public awareness campaigns to support effective behaviour change.

The government believes Victorians want to see a balance of regulation and supporting initiatives, improved data collection and sharing, and investment.

The “Recycling Victoria” plan contains 9 key themes:

- Kerbside reform
- Stronger recycling oversight
- New rules to cut waste
- Waste to energy
- High-risk and hazardous waste management
- Reducing business waste
- Invest in priority infrastructure
- Provide support for local communities & councils
- Behaviour change



RECYCLING VICTORIA POLICY GOALS

- Goal 1: Design to last, repair, and recycle
- Goal 2: Use Products to create more value
- Goal 3: Recycle more resources

RECYCLING VICTORIA POLICY TARGETS

- 15 per cent reduction in total waste generation per capita between 2020 and 2030.
- Divert 80 per cent of waste from landfill by 2030, with an interim target of 72 per cent by 2025.
- Cut the volume of organic material going to landfill by 50 per cent between 2020 and 2030, with an interim target of 20 per cent reduction by 2025.
- 100 per cent of households have access to a separate food and organics recovery service or local composting by 2030.

VICTORIAN LEGISLATIVE CONTEXT

The Local Government Act 2020 outlines the roles and responsibilities of Victorian councils, with additional waste management responsibilities set out in the Public Health and Wellbeing Act 2008.

The Environment Protection Authority (EPA) is responsible for enforcement of the Environment Protection Act 1970 (EP Act) which is the key legislative mechanism for environmental protection in Victoria.

The new Environment Protection Act 2017 as enacted by the Environment Protection Amendment Act 2018, implements changes in response to a review of the functions and effectiveness of the EPA and aims to modernise the legislation to better respond to the environment and human health challenges both present and the future. Many of the more substantial changes relate to the regulation of the waste and resource recovery sector.

The key changes are anticipated to be in the following areas:

- Kerbside reform and transition planning
- Container deposit scheme: Victoria’s scheme will be introduced by 2022/2023, and within the scheme eligible beverage cans and bottles will be targeted

LEGISLATION & POLICY

LEGISLATION & POLICY CONTEXT

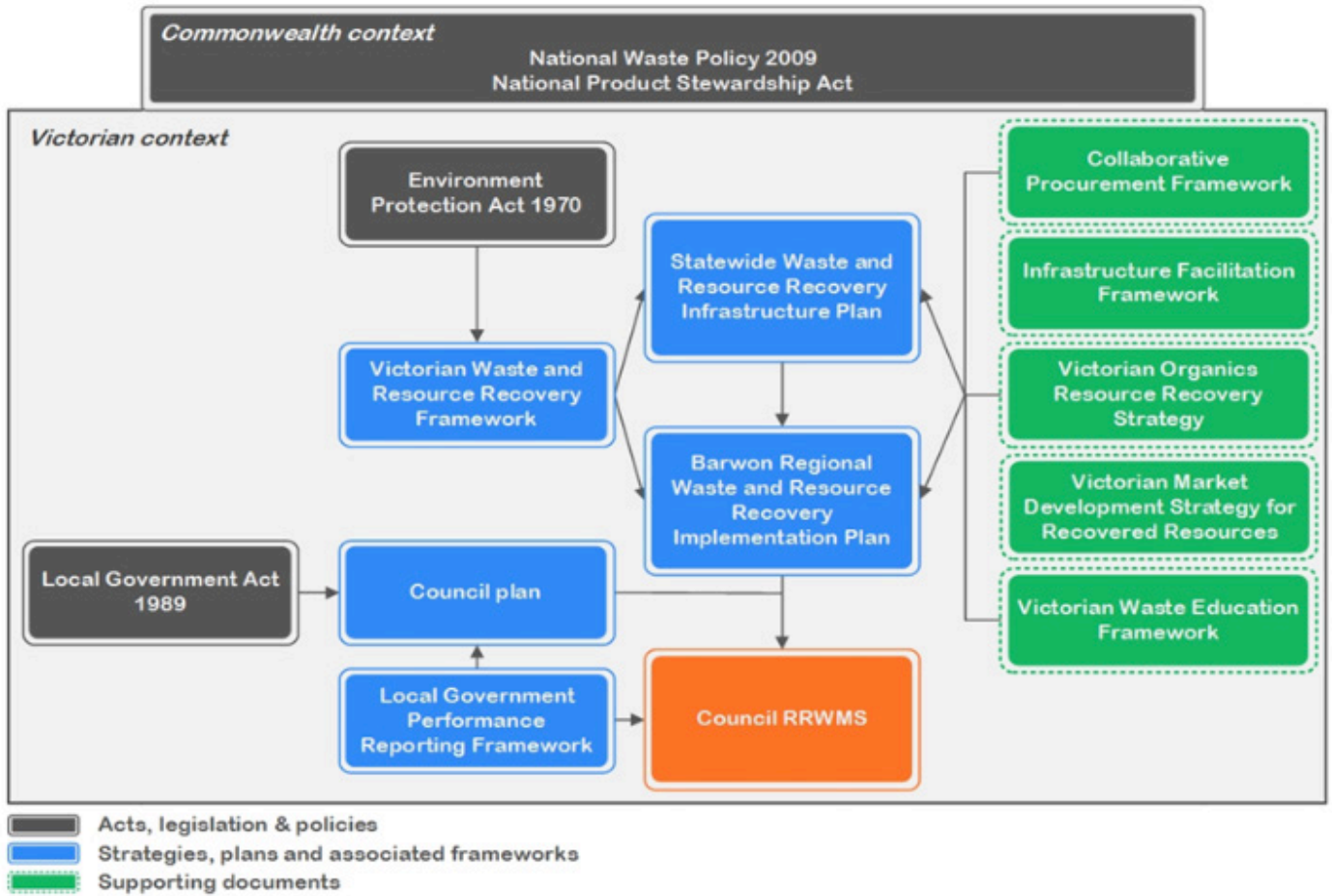
- Waste Management as an essential service - new legislation will be established by the Victorian Government, which will result in the establishment of a new waste authority in 2021
- Behaviour change and targets: The policy articulates the need for education to effect behaviour change, and recognises that Statewide education campaigns will be the most effective mechanism to ensure that the public understands their role in the functioning of a successful resource recovery system
- Landfill levies: The landfill levies are proposed to rise steeply, increasing by 90% over three years to create an incentive to reduce and recycle waste
- Increasing regulation of Resource Recovery Facilities (including Council RRCs) - It is anticipated that all waste management facilities will come under the permissions system, and it is likely that Council's resource recovery centres will all become registered sites
- Financial assurances which currently apply only to licensed sites will be able to be more widely applied, including to all resource recovery sites
- Waste duties - the legislation introduces a range of new duties specifically related to the collection transport and receiving of waste
- Contaminated sites - there are new duties incumbent upon the owners of contaminated sites to notify the EPA and to manage the sites. The EPA can and will impose site management orders or better environment plans to require management of these risks. Council's closed landfills will fall under this management system
- Other - There are a broad range of other changes under the new legislation, including increased penalties, changes to the management of litter, changes to the delegations for Councils to enforce breaches, changes to EPA interaction with the planning scheme and quite significant changes to the environmental standards against which risk is assessed
- An overview of the framework within the Victorian and Commonwealth context is provided on the following page.



LEGISLATION & POLICY

LEGISLATION & POLICY CONTEXT

THE FRAMEWORK WITHIN THE VICTORIAN AND COMMONWEALTH CONTEXT



WHAT SHAPED THIS STRATEGY?

There are numerous factors of influence required to be accounted for in the development of this strategy. These factors relate to changes in:

- **Adoption of the Circular Economy Philosophy**
- **State government legislation** (Environment Protection Act 2017 and subordinate legislation);
- **The introduction of a new government policy** i.e. Recycling Victoria with the major proposals being to
 - Mandate the provision of FOGO (Food and Green Organics) collections and
 - Implementation of collection arrangements to separate glass from the co-mingled recycling collections and the
 - Implementation of a container deposit legislation.

Council awarded the contract for waste management services (with the exception of hard waste) to a single supplier which provided the best value to council. The contract included kerbside collection services, transfer station and drop off facilities and municipal waste, organic waste and recyclables disposal and treatment.

The company was compliant with the specifications and provided very competitive pricing which was supported with strong results in the qualitative criteria made it the preferred supplier.

As a result of the process the successful contractor negotiated an addition to the contract which involved:

- Introduction of a glass kerbside recycling service in 2021
- Extended community access to the transfer stations at Alvie and Apollo Bay

Additionally Council has a view of the services which the community is seeking to be introduced which has been identified through the community engagement process as part of this strategic work and part of the transition planning for the introduction of a glass collection service.

As well as the extensive community and stakeholder engagement processes, there are numerous models, principles and legislative requirements to be satisfied to guide the development of this strategy.

Outcomes sought

- To comply with the State Government legislation and policy
- To implement services and develop infrastructure that will:
 - Encourage avoidance of generating waste
 - Increase resource recovery
 - Protect our environment
 - Be affordable and engaged with the community
- To improve the quality, effectiveness or efficiency of services and infrastructure
- To focus on changing behaviour through education, audit programs, events and reuse and recycling service promotions.

These outcomes not only guided the strategy, but also will continue to guide decisions about the ongoing implementation of the plan.

Colac Otway Shire Council is committed to ensuring that community engagement is integrated into Council core business to support decision making, build relationships, strengthen communities and seek improvement opportunities.

The community engagement approach related to this strategy was implemented in parallel to the "2050 Community Vision for Colac Otway".



Colac Otway Community Vision

This approach involved provision of numerous opportunities for stakeholders, residents and ratepayers to provide feedback, commentary and input to articulate where they want to be in the future. The Community Vision will capture what is valued, aspirations and dreams for the future, what should be kept and what the community would like to see changed.

WHAT SHAPED THIS STRATEGY?

The consultation phase occurred during February and March and involved roadshow briefings, written and online submissions and surveys.

There were specific waste management questions and opportunities at these sessions to inform the strategy.

Additionally, in August 2020, a hard waste survey was conducted with 300 responses received. Approximately 60% of the surveys were from the Colac / Elliminyt urban area. The results of this survey will be used in conjunction with the outcomes from the community vision project to inform the actions developed for objectives.

The timeline for delivery of this strategy is shown in the following table:



2021	Jan/ Feb	Draft Resource Recovery and Waste Strategy developed Council report to approve Resource Recovery Strategy for advertising and community feedback
	Feb/ Mar/ Apr	Community engagement of Strategy in conjunction with 2050 Vision
	April/ May	Draft Resource Recovery and Waste Strategy considered by Council and approved for Public Exhibition and feedback from the community
	May	Draft Resource Recovery and Waste Strategy advertised for community feedback
	June	Submissions considered and draft strategy reviewed in line with feedback
	July	Final strategy submitted for Council Briefing
	July	Resource Recovery and Waste Strategy presented & considered by Council
2021- 2030	Jun	Strategy implementation Yearly report on progress of delivering the Resource Recovery Strategy
2025- 2026		The strategy content to be updated via a review in 4 years



WHAT WE HEARD

WHAT WE HEARD

WASTE SURVEY RESULTS 2021

“Talking rubbish at the drop off”

Council received **21** responses from the Drop offs surveys which covers areas of Beech Forest, Lavers Hill, Gellibrand and Carlisle River.

The top three priorities relating to waste management and resource recovery were:

1. Reducing waste to landfill 71%
2. Stop illegal rubbish dumping 57%
3. Protecting our environment 53%

Residents were asked if they were satisfied with the current drop off service offered by Council, 67% of the responses said they were happy with the current drop off arrangements.

Council then asked residents what ways do they try to minimise the amount of waste they produce at home.

- 86% said they avoid disposable items, such as straws, plastic cutlery, takeaway coffee cups,
- 76% said they would repair old items
- 71% said they would choose products with no packaging over packaged products where possible.

Council also wanted to know what the drop off residents do with their food and organic (garden) waste as no service is currently offered at these facilities. 90% said they currently use home composting and 76% said they would not use an organics disposal at the drop offs, if offered by Council as they compost organics and food waste at home.

WASTE SURVEY RESULTS- GENERAL/ KERBSIDE

“Talking rubbish at the kerbside”

Council received **56** responses from the community regarding the waste strategy survey
The top three priorities relating to waste management and resource recovery where:

1. Reducing waste to landfill (e.g placing food in organics bins) 53%
2. Protecting our environment 51%
3. Lobbying for sustainable packaging (recyclable packaging) 49%

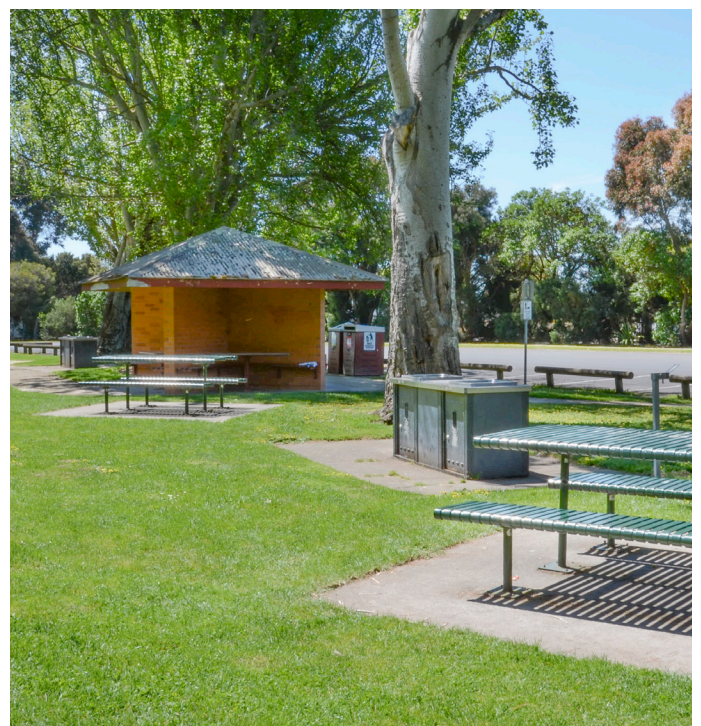
Council asked questions about reducing waste to landfill and what changes would they make to the collection frequency of the kerbside bins. 52% said leave all collections the same however, 27% said they would like to change the organics collection to a weekly collection.

Talking about reducing waste to landfill Council wanted to know where residents place their food scraps, 16% of residents place food scraps in the red garbage bin while 37% place food waste in their green FOGO bins.

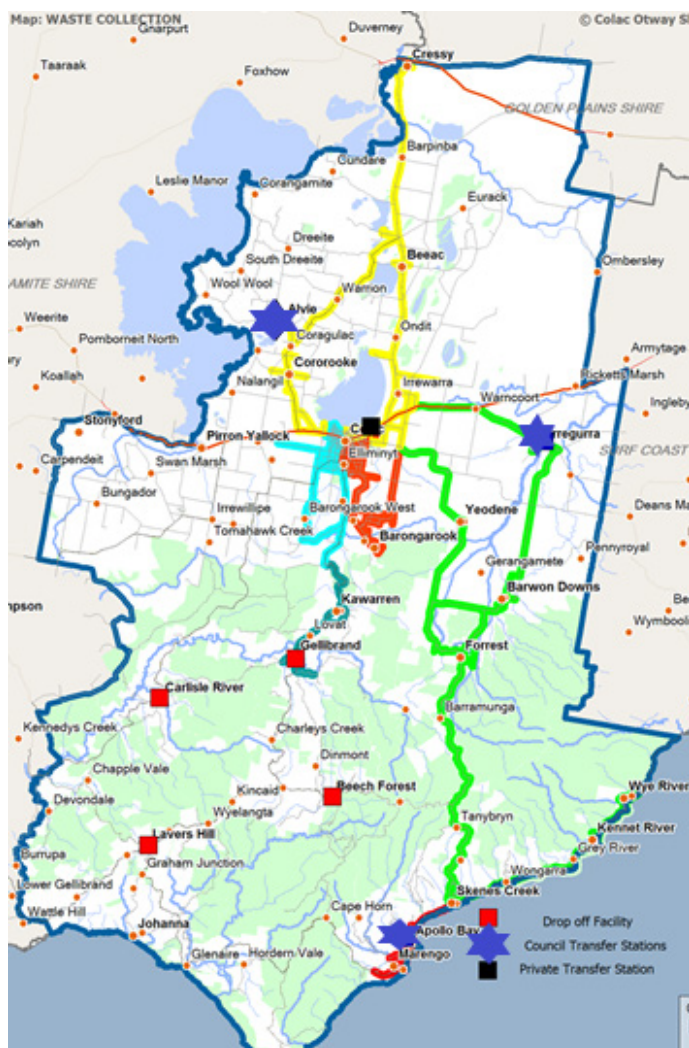
Council also asked residents where they go to find out information about waste & recycling and what goes in which bin.

- 41% said they use the Waste calendars
- 37% said they use the Council's website (Rubbish & Recycling page)
- 32% said they use the Council waste & recycling brochures

Therefore, residents may also find the Colac Otway Shire phone app “**Recycling 2.1**” a handy tool in future, as they can sent reminders/notifications, like which bin goes out and an A-Z directory for what goes in what bin.



WHERE ARE WE NOW?



Colac Otway Shire has a unique and precious natural environment containing some of the most picturesque scenery in the state. A large proportion is forest park and national park but it also includes beaches, rugged coastline, rain forests, waterfalls, volcanic lakes and craters.

Our resident population is estimated at 21,564 as at 30 June 2020. Approximately 83.2% of the Shire's residents were born in Australia and of those born overseas, only 4.2% came from non-English speaking.

The population forecast through to 2041 is for growth of approximately 23.39%, this significant increase is expected in part due to the completion of the dual highway to Geelong. The duplication opens up the region, making commuting an attractive option for both the local population and for those seeking a lifestyle change. With the attraction of affordable housing and great lifestyle, we are ideally located for those looking for a rural idyll within a comfortable commuting distance to major centres.

Our community demographics consist of:

- 5.6% of 0-4 year olds
 - 17.7% of 5-19 year olds
 - 16.4% of 20-34 year olds
 - 18.1% of 35-49 year olds
 - 20.8% of 50-65 year olds
 - 20.4% of 65+ year olds
 - 1.2% of Aboriginal & Torres Strait Islanders
 - 9% of the population was born overseas
- Our population growth rate is currently 0.29%

The five major industry sectors are:

- Manufacturing (1,291 persons or 13.5%)
- Health Care & Social Assistance (1,209 persons or 12.7%)
- Agriculture, Forestry & Fishing (1,191 persons or 12.5%)
- Retail Trade (872 persons or 9.1%)
- Tourism (835 persons or 8.7%)

In combination, these five industries employed a total of 5,398 people or 56.5% of the shire's population.

Current Council Services

The current status of waste management in Colac Otway is reviewed in this section, including data on waste and recyclable generation, collection services and waste and resource recovery facilities.

- Kerbside Collection services
- Transfer Station / Resource Recovery Centres
- Landfill Management
- Waste Education
- Illegal Dumping

SHIRE PROFILE, POPULATION AND DEMOGRAPHICS

Colac Otway Shire is situated about 160 kilometers south-west of the Melbourne CBD and approximately one hour's drive to the large regional cities of Geelong to the east, Ballarat to the north and Warrnambool to the west.

WHERE ARE WE NOW?

WHERE ARE WE NOW?

KERBSIDE COLLECTION SERVICES






There are 10,097 tenements that receive the weekly kerbside collection service and 167 tenements that receive the fortnightly kerbside collection service as at 30/06/2020. Currently the kerbside collection service is conducted five days per week.

The standard collection service is shown in the below table.

Kerbside collections are also provided to a number of non - residential properties including business, commercial and industrial property; schools; child or aged care centres; sports clubs; health services centres or hospitals; religious centres; community groups; and open spaces.

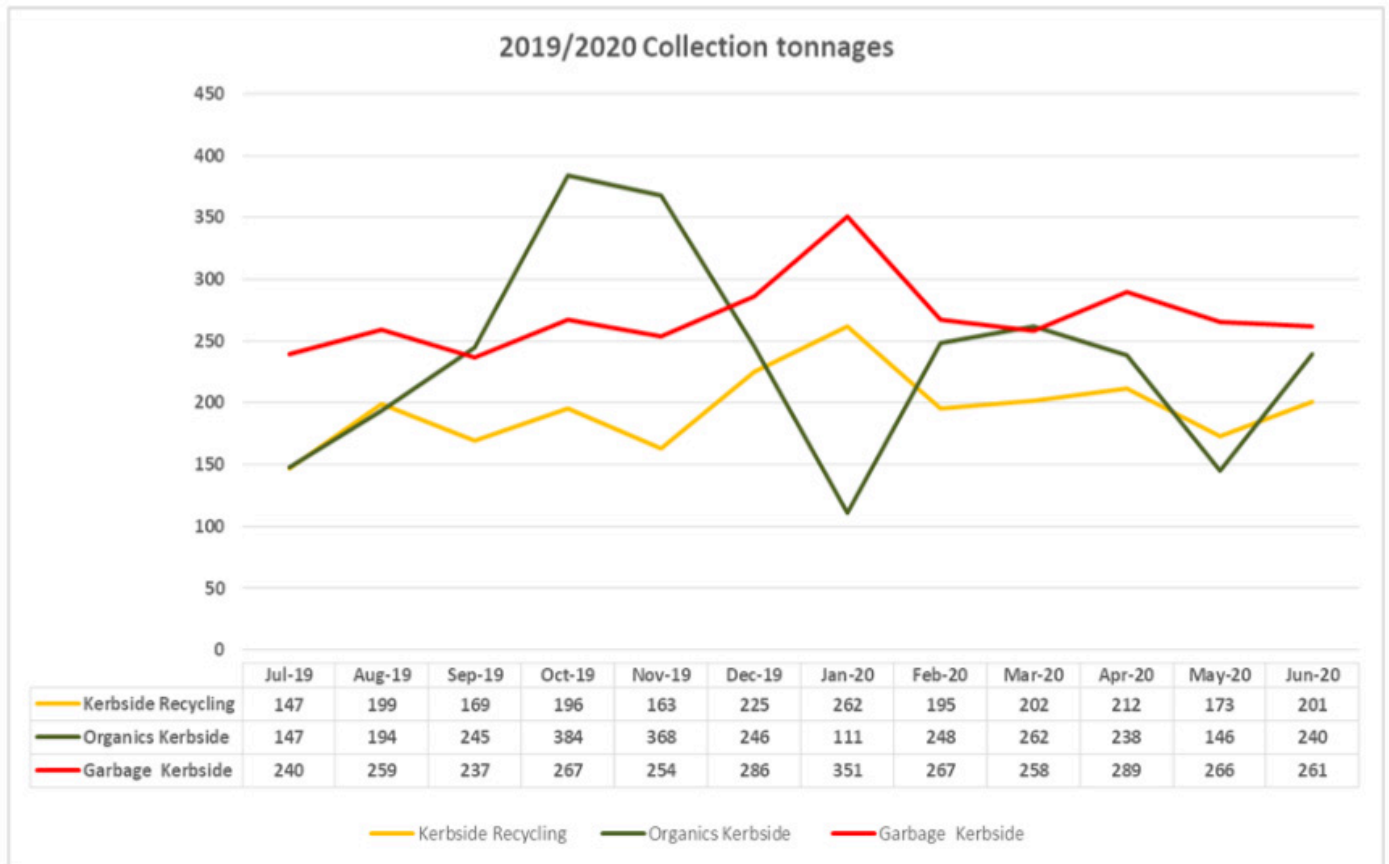
The collection tonnages for all services for 2019-20 are depicted in the following graphic. It is evident that all material streams vary throughout the year. Organic waste peaks with weekly collections occurring in October and November and to a lesser extent in the autumn, whilst recycling and waste collections are significantly higher over the Christmas and New Year holiday period when absentee landowners and holiday makers enter the shire.



Service	Standard Bin size	2019/20 Collection Arrangements / Fast Facts @ 30June2020			
		Collection Frequency	Tonnage	Kg generated per household / annum	*Contamination rate
	Garbage 140 litres	Weekly / Fortnightly 10175 / 168 services	3235 tonnes	320 kg/annum 6.15 kg/week	Diversion rate= 59% (region – 52%)
	Recycling 240 litres	Fortnightly 10244services	2342 tonnes	228 kg/annum 8.76kg / fortnight	6.6% (region – 16%)
	FOGO 240 litres	Fortnightly 10135 services	2827 tonnes	279 kg/annum 10.7kg/fortnight	0.4% (region – 1.2%)
Additional collection options		Three extra kerbside recycling collections start the week before Boxing day to assist with disposal of extra recycling during Christmas and the New Years.			
		Extra kerbside organics collection are offered in October and November, on a weekly basis (extra 9 collections)			
Other service Options:	Additional bins may be purchased including 240L /360L Recycling or 240L organics bin or 240L garbage bin Bin size upgrades are available for purchase. Bin downsizes are available at no cost				



WHERE ARE WE NOW?

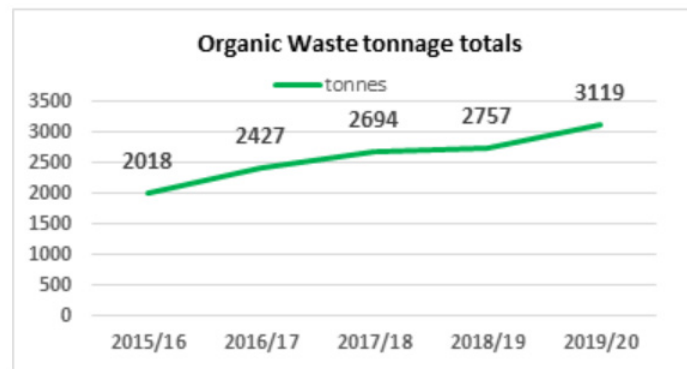


Over the year of 2019-20; Garbage represented 38% of all collections conducted by weight, with the recycling at 28% and Organics at 34%.

Wheelie Waste, the provider of Council’s kerbside collection since 2010, was awarded the waste contract from September 2020 for five years with the option to extend the agreement for a further two years.

Wheelie Waste will provide kerbside collection, disposal, operate transfer stations, waste-related customer service and waste ‘drop-off’ sites in the shire’s smaller communities.

Importantly Wheelie Waste will take full responsibility for all waste disposal at a fixed price, for example if a recycling centre was not able to receive material.



The increase in organic material diverted from landfill in 2019-20 was due to three additional kerbside collections in October and November 2019. Council offered all residents who pay for waste collection through their rates, the three additional collections to assist them in preparing their properties before the bushfire season commenced. Each year more residents use this service weekly.

WHERE ARE WE NOW?

WHERE ARE WE NOW?

The Recycling Victoria Communities Fund supports community-based projects that empower the community to reduce waste. Grants of between \$25,000 and \$250,000 are available for charities, community groups, and social enterprises to lead grassroots projects that encourage re-use, repair and a sharing economy.

BSWRRG Can Do Communities \$500 grants are also available for local community groups to apply for. Visit reduce-recycle.com.au

The goal is to reduce the number of items that end up illegally dumped, littered, or in landfill.

 sustainabilityvictoria



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PUBLIC PLACE LITTER AND RECYCLING SERVICES

There are 48 Public Place Recycling Bins serviced in the municipality on a weekly basis. This includes seasonal collection of bins at swimming pools and selected recreational reserves.

The coastal townships (Separation Creek / Wye River / Kennett River / Skenes Creek / Apollo Bay / Marengo) are serviced with 56 litter bins which are routinely collected 3 times per week (Mon /Wed /Fri) as the standard service.

Due to the coast being a significant holiday attraction during the summer and Easter breaks, services are varied by increasing the collection frequency in these areas as necessary with some services up to 3 times a day in the peak holiday periods.

In the inland areas of the municipal district there are 151 litter bins comprising of 527 collections weekly. Hence bins are serviced at the frequency warranted by their locations.

Council has also successfully sought some government funding for the purchase and installation of two additional solar litter bins. Currently council has 18 solar compaction bins installed across the shire at locations that have high usage in peak times to reduce overflowing bins.

These bins operate from solar panels (saving power connection costs) which allow the bin to compact rubbish repeatedly, allowing more rubbish to be stored in each bin. The bins also send signals to a central depot to advise when the bins are full, so the collection truck only has to attend on these occasions reducing the number of vehicles on the road and the costs associated with collection.



Council have 18 solar street litter compaction bins. These bins reduce the number of collections per week and reduce overflowing bins during peak season.



WHERE ARE WE NOW?

WHERE ARE WE NOW?

WASTE AND RESOURCE RECOVERY INFRASTRUCTURE

Council manages a range of waste and resource recovery facilities to support the community and local businesses. These facilities are located at Alvie, Birregurra and Apollo Bay. Council's facilities accept general rubbish, hard rubbish, recycling and organic waste as detailed in the following table.

Waste and Resource Recovery Facilities	Materials accepted
Apollo Bay Resource Recovery Centre. 10-18 Arthur Court, Apollo Bay Opening hours -winter 16 hours weekly Monday, Wednesday, Friday & Sunday 10am-2pm Opening hours -Summer 24 hours weekly Monday - Sunday 10am-2pm (closed on Thurs)	General rubbish Fully co-mingled recyclables - commercial quantities Green waste (excluding stumps & large trees) Steel scrap / Car bodies Mattresses Chemical drums (Drummaster) Car tyres / Truck tyres Tyres up to 1m in size Batteries - commercial /household* Tyres 1-2m in size E-waste items
Alvie Transfer Station. 977 Corangamite Lake Road, Alvie Available 25 hours weekly Opening hours Sunday, 10am-3pm Tuesday-Friday, 10am-3pm	
Birregurra Transfer Station. 75 Scouller St, Birregurra Available 12 hours weekly Opening hours Sunday 10am-4pm First Friday of every month 10am-4pm	General rubbish Fully co-mingled recyclables - Scrap Metal
* All waste transfer stations are closed Good Friday, Christmas Day and New Year's Day	

Year	2019-20	Alvie TS	Apollo Bay RRC	Birregurra TS	Drop off facilities	Totals
		Totals	Totals	Totals	Totals	Totals
Oil	Items	0	229	0		229
E-waste	Items	319	170	229		718
Metal	Cubic metres	8	234	10		252
Organics	Tonnes	2828				2828
Garden waste	Cubic metres	19	291	16		326
Kerbside Recyclables	Tonnes	1711	631	8	16	2366
Mattresses	Items	37	357	15		409
Mixed Waste	Tonnes	332	1672	86	758	2848
Kerbside Waste	Tonnes	3236				3236
Rubber (Tyres)	Items	78	21			99

Note: Blacked out cells mean that these materials are not collected at this serviced facility.

WHERE ARE WE NOW?

WHERE ARE WE NOW?

Based on the materials received /recovered or disposed in 2019-20, it is evident that the community use of the RRCs and transfer stations is quite substantial in particular the major collection streams are highly represented followed by mattresses, e-waste and scrap metal.

In the past, hard waste vouchers were given out to second hand community groups such as the St Vincent de Paul Society and the Salvation Army, which Council used to give ten vouchers per year.

Council offers residents discounted tip tickets for disposal of general waste. Each ticket allows disposal of 0.25m³ or 240L of general waste. Tip tickets are accepted at all Council transfer stations and drop off facilities and can be purchased from customer service centres in Colac and Apollo Bay. A Book of ten cost \$72.00 or \$7.20 per 240L bin. A Book of 25 = \$155 or 6.20 per 240L bin. The gate price for a 240L red bin is = \$10.00

Council Transfer stations operate on a cashless basis with EFTPOS and tip ticket books accepted. Council is associated with the following programs to ensure the safe disposal of waste and recyclables from within and around the home: Mobile Muster, Drum Muster, E-Waste Disposal, and Detox Your Home.

Other options available for the community to dispose of unwanted materials are available at:

- Council Customer service centres at Colac and Apollo Bay for:
 - CDs & DVDs
 - Household batteries
 - Printer cartridges (non-commercial)
 - Mobile Muster phone recycling program
- Western Waste Management for:
 - General rubbish / Hard Rubbish Paint / Silage Wrap
 - Fluorescent light bulbs Asbestos



Alvie Transfer Station

In 2018, Barwon South West Waste and Resource Recovery Group ("the group") instigated assessments of all the Resource Recovery Centres in the region. The summary of their review is that:

The site requires a major upgrade or closure, which Council are currently assessing. There is some good infrastructure on-site including a weighbridge. However, the site layout and operation is inefficient. A master plan for the site, including a traffic management plan, is needed for the site before any significant upgrades should be undertaken.

The improvements recommended primarily relate to shedding and binding for materials storage and improvements to the green waste collection area. In terms of management practices they recommend improved litter collection and cleansing regimes.

Alvie Landfill Fire Management Plan

In 2017, Coffey Partners was engaged to audit the Fire Management Plan and make recommendations to achieve plan compliance. Based on the site visit the items listed below are required in order to ensure compliance with the Fire Management Plan:

1. Emergency vehicle access
2. Battery storage
3. Safety signage
4. Fire break
5. Vegetation management
6. Storm-water management
7. Fencing
8. Fuel storage
9. Fire drills.

Colac Otway Shire Council
November 17, 2020

Detox Your Home is returning to Colac this Saturday, 21 November at the Colac Showgrounds from 10am to 12pm.

Registration is essential - click on the link below to register and find out what you can and can't dispose of.



WHERE ARE WE NOW?

WHERE ARE WE NOW?

Management and Storage of Combustible Recyclable and Waste Materials Guidelines

The guidelines are designed to support the management and storage of Combustible Recyclable and Waste Materials (CRWM) in a manner that minimises the risk of harm to human health and the environment from fire. The guidelines support compliance with the Waste Management Policy (WMP). In summary, the WMP CRWM requires occupiers of Waste Recourse Recovery Facility to:

- Manage risks of harm to human health and the environment from fire
- Take all reasonable steps to manage and store CRWM at the WRRF in a manner that minimises risks of harm to human health and the environment from fire, either in accordance with this guideline or in a manner that minimises the risks to a level at least equivalent to this guideline
- Prepare an emergency management plan

With the decision to extend the operational hours available for community access at Alvie, it is considered that works will be required to upgrade the Management arrangements and on site operations in order to assure that the site complies with the Management and Storage of Combustible Recyclable and Waste Materials Guideline.

In particular works may be necessary if the new "General duty requirements and permitted functions" are extended under the amended Environment Protection Act.



DROP-OFF FACILITIES

Council operates drop-off facilities at Beech Forrest, Lavers Hill, Carlisle River and Gellibrand for residents without access to kerbside waste collection services who need to dispose of their domestic waste and recycling only.

The drop-off facilities accept domestic rubbish and

recycling, however hard waste and green waste is NOT accepted. These can be disposed of at one of Council's waste transfer stations.

Drop-off facilities and waste transfer stations will not operate on code red or extreme weather or fire danger days.

Beech Forest- available 3 hours fortnightly
Location: Car Park 15 Main Rd, Beech Forest
Collection day: Saturday
Time: 8.30am - 11.30am

Lavers Hill - available 4 hours fortnightly
Location: 43-47 Great Ocean Rd, Lavers Hill Hall, Lavers Hill
Collection day: Saturday
Time: 12pm - 4pm

Gellibrand - available 3 hours fortnightly
Location: 20 Football Rd, Gellibrand Rec Reserve, Gellibrand
Collection day: Sunday
Time: 12pm - 3pm

Carlisle River - available 3 hours fortnightly
Location: 35 Gellibrand River Rd, Carlisle Hall, Carlisle River
Collection day: Sunday
Time: 8.30am - 11.30am
During January all Facilities operate weekly

Council also provided skip bins for green waste at Wye River & Kennett River



Skips for green waste (only) are in place at Wye River and Kennett River again this weekend. Thanks to our coastal communities for using the skips - we have disposed of 7.18 tonnes of green waste from the skips! Skips are located near the CFA shed in Wye and near the shop at Kennett.



WHERE ARE WE NOW?

WHERE ARE WE NOW?

HARD WASTE COLLECTION

The waste management services tender of 2020, included an option for the provision hard waste collection from all kerbside collection tenements via an 'At-Call' service as well as the transport of garbage and recycling the respective nominated facilities.

A single submission was received with a tendered price exceeding \$1.18 M for 9,946 services per annum or approximately \$118 per tenement. It was agreed by Council that the prices provided were neither competitive nor in line with market rates, hence they were not recommended to be awarded.

LANDFILL MANAGEMENT

Colac Otway Shire does not operate a Landfill. Currently waste is transported to Corangamite Landfill at Naroghid under the contract with Wheelie Waste. However there are a number of old and closed landfills which council remains responsible for monitoring and management. These include Alvie landfill (which holds an Operating license), Bruce Street Colac which is identified on the priority sites register of the EPA; and others as mentioned in the table below.

Council worked with the Barwon South West Waste & Resource Recovery Group (BSWRRG) to complete risk assessments for its four un-rehabilitated closed landfills.

The risk assessments found that these sites posed lower risk than previously understood and consequently aftercare management costs are lower than forecasted.

Council is developing a closed landfill aftercare management plan for its closed landfills that will help to understand the risk and cost involved to manage these sites into the future. Utilising the closed landfill work undertaken by the BSWRRG will mean that Council has a unified approach to landfill aftercare management that is consistent with other councils in the region.

Council is due to undertake s53V landfill audits at Bruce Street landfill and Alvie landfill 2021 Council will review and update the Alvie landfill rehabilitation plan for EPA verification. The former landfill at 34 Bruce Street, Colac requires assessment and/or clean up.

License	Material	Location or town	Closure	Rehabilitation Status
Exempt	Putrescible	Beeac	1990	Ongoing monitoring and maintenance
Exempt	Putrescible	Barwon Downs	1994	Yet to commence rehabilitation
Exempt	Putrescible	Birregurra	pre-1995	Yet to commence rehabilitation
Exempt	Putrescible	Colac - Bruce St	1997	Ongoing monitoring and maintenance
Exempt	Putrescible	Cressy	1988	Ongoing monitoring and maintenance
Exempt	Putrescible	Forrest	1998	Yet to commence rehabilitation
ES393	Putrescible	Gellibrand	1998	Yet to commence rehabilitation
Exempt	Putrescible	Marengo	1998	Ongoing monitoring and maintenance

WHERE ARE WE NOW?

WHERE ARE WE NOW?

WASTE EDUCATION

Council provides community waste and recycling education mainly via the Council website such as:

- Fact sheets for certain materials that outline the importance of recycling, where to recycle and the recycling process after material drop-off
- Guidance on minimising waste at home (including a composting guide)
- Information on the kerbside collection service including the annual collection calendar
- Location and materials accepted at waste disposal facilities.

Some waste related education is also made available at Council offices and resource recovery centres (RRC), as well as through advertisements in print and radio media.

Council are developing a re-education program for all kerbside waste and recycling streams to assist residents in reducing their waste going to landfill and increase recycling. With the introduction of the fourth glass bins, Council waste team will be rolling out new recycling information in 2021/22.

ILLEGAL DUMPING

Council is responsible for managing the Shire's illegal dumping incidents. The level of illegal dumping occurring in the Shire is low and is stated to be approximately 25 reports annually. There is no information available as to the level of illegal dumping on public Land managed by the state.

LOCAL GOVERNMENT PERFORMANCE REPORTING FRAMEWORK

	2017	2018	2019	2020	Similar Council	All Councils	Notes
Kerbside bin collection requests per 1,000 households - No	100	59	70	69	87	119	20% less than similar councils and 57% less than all councils
Kerbside collection bins missed per 10,000 households - No	6.3	2.3	2.1	1.6	3.8	5.0	Over 50% less than similar councils
Cost of kerbside garbage bin collection service per bin - \$	135	140	138	141	105	112	Future costs will decrease with changes in new contract 34% higher than similar councils
Cost of kerbside recyclables collection service per bin - \$	36	37	45	61	70	65	15% less than similar councils
Kerbside collection waste diverted from landfill - %	47	47	52	60	47	44	Improvement due to additional collections provided and bin inspections

WHERE ARE WE NOW?

WHERE ARE WE NOW?

COMMUNITY SATISFACTION WITH WASTE COLLECTION SERVICES

In 2019/20 the Local Government Community Satisfaction Survey was conducted. The survey examines a range of Council services and measures the community's perceptions of importance and satisfaction.

Council is relatively well regarded with waste management being in the top five highest rated services according to the survey. A key contributor to this increase is a significant improvement in performance perceptions among residents aged under 50 years.

In comparison to the statewide and group averages, Council also performs significantly higher than the large rural group average for waste management and is comparable to the statewide assessed performance rating.

Services	Colac Otway 2020	Colac Otway 2019	Large Rural 2020	State-wide 2020	Highest Score	Lowest Score
Waste Management	65	64	62	65	Colac and Surrounds residents	Apollo Bay and Surrounds residents

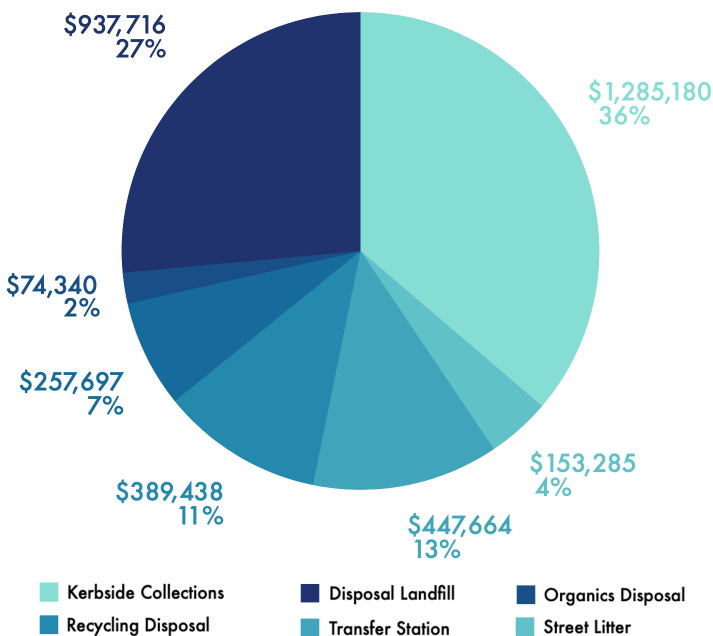
MUNICIPAL WASTE CHARGE (MWC)

The Municipal Waste Charge is applicable to defined properties which are described as being land used primarily for residential or commercial purposes; or other land in respect of which a waste collection and disposal service is provided. The 2020/21 MWC was the only charge reduced by a council in the Barwon south west region and notably, is the lowest charge levied in the whole region. The annual Waste Management Charge for weekly kerbside collection is \$308 per annum. The fortnight kerbside collection (a service offered to Gellibrand and Kawarren areas only) is \$205.00 per annum.

WASTE MANAGEMENT EXPENDITURE

In 2019-20 the budget totalled \$3.54M and included the services shown in the graphic below. It is evident and significant that 27% of the budget is spent on disposal i.e. specifically waste deposited to landfill and this total will increase with the proposed increases in landfill levies.

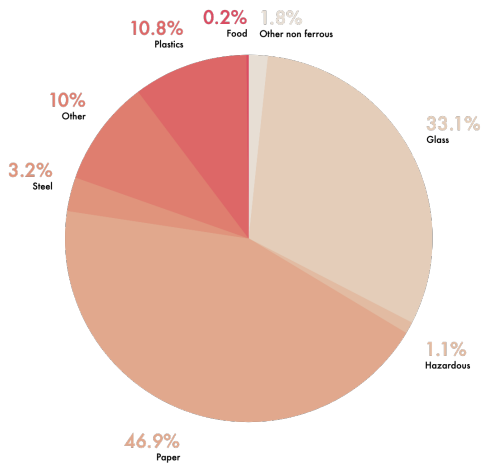
In 2020-21, the total waste management budget (\$4.109 M) represents 7.3% of the councils operating expenditure. Hence this strategy is strongly focused on reducing of the volumes associated with landfill disposal, through improved recycling and behaviour changes to avoid waste being generated.



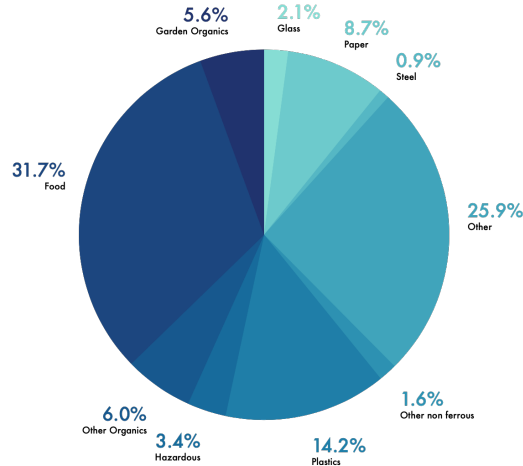
WHERE ARE WE NOW?

WHERE ARE WE NOW?

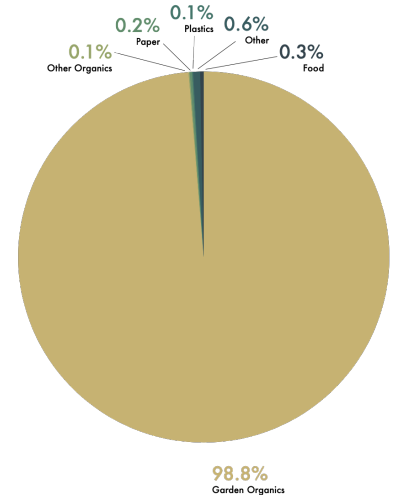
Recycling Stream % by weight



Waste Stream % by weight



Organics Stream % by weight



KEY FINDINGS FROM KERBSIDE BIN AUDITS

BSWRRG engaged EC sustainable to conduct a kerbside bin audit in 2018. The audit was conducted from April to June in 2018 and involved detailed sampling of 101 waste, recycling and organic bins with the location split being 70% urban and 30% rural.

Composition of materials in garbage bins

- Regional average 8.9 kg/hh/wk
- COS result = 8.7 kg/hh/wk
- There is a potential to divert 43% of the red waste bin to organics and 13% to the recyclable bin

Composition of materials in recycling bins

- Regional average 5.4 kg/hh/wk
- COS result = 5.4 kg/hh/wk
- Region Contamination average 16%
- Contamination rate is 6.6% which is excellent but provides scope to be lowered
- The audit also identified that the percentage of glass represented in the recycle bin was 33.12% and 2.10% in the red waste bin.

Composition of materials in organic service

- Regional average 8.0 kg/hh/wk
 - COS result = 8.5 kg/hh/wk
 - Contamination average 1.2%
 - COS contamination rate is 0.41% and is negligible.
- Diversion rate: Regional 51.7% Statewide diversion rate 44%, COS audit result = 58.85%

The LGPRF figures for 2020 indicate that the Shire has continued to improve diversion rates with a result of 60.4%.

Service/Indicator	Results 2017	Results 2018	Results 2019	Results 2020	Material Variations and Comments
Waste Collection Waste Diversion Kerbside collection waste diverted from landfill (Weight of recyclables and green organics collected from kerbside bins) x100	47.09%	47.79%	52.06%	60.38%	The increase in waste diverted from landfill is due to better source separation at the kerbside and the extra weekly collection of green organics in October/November and yellow recycling bins during Christmas school holiday period.

OPPORTUNITIES

CHALLENGES & OPPORTUNITIES

ACHIEVEMENTS IN 2019-20

- Due to expected savings identified within the pending waste services contract, the annual kerbside collection charge decreased with the weekly waste charge reduced by \$15 from \$315 to \$300 and the fortnightly waste charge by \$10 from \$215 to \$205
- 3,119 tonnes organic waste diverted from landfill
- The increase in organic material diverted from landfill in 2019/20 was due to three additional kerbside collections across October and November 2019. Council offered all residents who pay for waste collection through their rates, the three additional collections to assist them in preparing their properties before the bushfire season commenced.
- The utilisation of this service increases each year as indicated by the tonnages received and bin lifts.
- 320kg / household waste generated and disposed to landfill
- This decrease in waste to landfill is due to better source separation of recycle and organic material out of the landfill bin from the kerbside collection bins. Bin inspections program which is a targeted re-education program has also assisted with this reduction of waste to landfill.
- 124.5 tonnes carbon emissions reduced
- Solar compaction bins, (previously trialled in Apollo Bay) were rolled out across the shire including Lavers Hill, Gellibrand, Beech Forest and Colac to monitor waste levels, avoid waste overflowing at peak holiday times and improve the Shire's amenity.
- Council has enhanced the use of recovered or reusable materials.
- Wood chips from tree maintenance is used on garden beds and surplus amounts are made available to community groups for mulching. Road materials recovered from asphalt renewal projects is re-purposed in high maintenance areas on gravel roads.
- Recovered bitumen material from Regional Roads Victoria is used by Colac Otway Shire on local roads.
- Colac Otway Shire collect printer cartridges, household batteries, mobile phones, CDs and DVDs for recycling. E-waste is also gathered for recycling.

KERBSIDE COLLECTIONS

Bin Compositions: Based on the results of the regional audit and statistics reported for tonnages collected, it is estimated that;

- Additional quantities of FOGO (31.7%) could be diverted from the waste bin into the FOGO bin
- Additional quantities of recyclables (25.9%) could be diverted from waste into the recycle bin

Glass recycling service: this strategy proposes to implement the glass recycling service in 2021-22. Based on the 2018 audit results, the impact of introducing this service would be to remove 33% of the glass from the commingled recycling bin and 2% of the glass in the red waste bin. In total this would be equivalent to 1.85 kilogram / week or if collected monthly (i.e. 12 times per year); 8 kilogram per collection.

With the introduction of container deposit schemes in 2022-23, it's anticipated that an average of 28 % of glass is returned through CDS so that the remaining volume to be collected on the kerbside is 5.75 kg / month based on the NSW experience.



Glass Kerbside Recycling Collection Service

Council has decided to implement a glass collection service for all properties in the current kerbside collection territory in 2021/22.

The provision of 10,264 120 litre purple bins with an estimated cost of \$450,000 is identified as funded in the 2021/22 Budget.

The service costs represent additional costs but these are offset by savings in treatment and processing costs for glass and commingled recycling without glass.

OPPORTUNITIES CHALLENGES & OPPORTUNITIES

Proposed Timeline for implementation of Glass Recycling Service.

Months relative to service commencement	6	5	4	3	2	1	0	1	2	3
Decision to implement Glass recycling service	X									
Budget allocated for service provision	X									
Transition Plan (final) submitted to DWELP	X									
GRBs delivered to COS						X				
GRBs distributed with introductory letter to Residents						X				
Launch community education campaign for all residents			X	X	X	X				
GRB service commences							X			
Ban glass from kerbside recycling bin							X			
Inspections and contamination communication								X	X	X

Contamination rates: Contamination rates are exceptionally lower when compared to both the region and statewide averages, however there remains scope to reduce contamination further in the recycling bins through further education and inspections.

Diversion rates: The current diversion rate achieved is 13-17% better than “comparable councils” and “all councils” respectively. Whilst the current diversion rate has improved year on year, further continued improvement needs to be targeted.

Community Satisfaction and Local Government Performance feedback: Results are between 15 and 50% better than similar councils with the exception of costs of kerbside garbage collections. Prioritising targeted education and information campaigns along the coastal communities including Apollo Bay may assist in improving satisfaction levels in these areas.

Audits /Inspections: the current position is that bin inspections occur on a random basis. With the pending implementation of a glass collection it is proposed that a bin inspection program be implemented on a regular basis in conjunction with a public education / engagement program to properly educate service users of the correct separation of waste across the four streams.

It is also recognised that detailed information is required to provide feedback regarding the public engagement programs, hence regular bin audits should be introduced to target and identify problem areas.

Service Levels: The inclusion of variable frequency of services for recycling and FOGO collections is somewhat unique in terms of being responsive to local community needs. Particularly the increased capacity for litter and public place recycling is an operational decision which may be extended in the future.

YOUR RECYCLE BIN WAS NOT EMPTIED TODAY...

As it contained:

- Household Garbage / Food
- Bagged Recycling
- Polystyrene / Foam
- Plastic Bags or Soft Plastics
- Textiles / Clothes or Shoes
- Nappies
- Other _____
- Overfull or Overflowing / Too Heavy

In order to have your bin emptied, please rectify this situation before your next scheduled collection. Trucks will not return this collection week.

For further information please call the Colac Otway Shire on 5232 9400



YOUR ORGANIC BIN WAS NOT EMPTIED TODAY...

As it contained:

- Recyclables
- General Garbage / Nappies
- Plastic Bags / Soft plastics
- Textiles - Clothes or Shoes
- Polystyrene / Foam
- Other _____
- Overfull or Overflowing
- Too Heavy

In order to have your bin emptied, please rectify this situation before your next scheduled collection. Trucks will not return this collection week.

For further information please call the Colac Otway Shire on 5232 9400



**To the householder
WRONG MATERIAL FOUND IN THE ORGANICS BIN**

Your GREEN organics bin has not been emptied today because it contained the following items that are NOT organic and which cannot be made into compost.

GARBAGE NAPPIES DIRT / GRAVEL TOYS OTHER: _____
 BRICKS / BUILDING MATERIALS POLYSTYRENE / FOAM CLOTHES / SHOES RECYCLABLES

Contaminated bins will not be emptied. Only green waste and food scraps can be placed in your green lidded bin. Random audits will continue and we will NOT empty any green lidded bin which contains material other than organic material, green waste and food scraps.

For further information contact Colac Otway Shire Council Tel: (03) 5232 9400 Web: www.colacotwayvic.gov.au



**To the householder
WRONG MATERIAL FOUND IN THE RECYCLE BIN**

Your YELLOW recycle bin contained the following items that cannot be recycled as part of your kerbside collection.

BAGGED RECYCLING CLOTHES / SHOES POLYSTYRENE / FOAM PLASTIC BAGS AND SOFT PLASTICS CARPET / BLANKETS
 GARBAGE / FOOD BROOKERY / CERAMICS BATTERIES BUILDING MATERIALS NAPPIES

Please keep contaminants out of the recycle bin. Random audits will continue.

- Your bins was emptied today, however it may not be emptied in future should it contain items that cannot be recycled as part of the kerbside collection system.
- Your yellow recycle bin was not emptied today because it contained the above items.

For further information contact Colac Otway Shire Council Tel: (03) 5232 9400 Web: www.colacotwayvic.gov.au

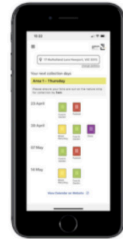


OPPORTUNITIES CHALLENGES & OPPORTUNITIES

COLAC OTWAY - RECYCLE 2.1

Council is taking its recycling service into the digital space with the launch of the Recycling 2.1 App, the latest tool to support Colac Otway residents to recycle right.

RECYCLE 2.1



USE THE APP TO FIND OUT
"WHICH BIN"



The mobile phone app offers residents important and up-to-date information about the waste service in an accessible, easy to view format. Residents can find out about what goes in which bin, and a whole lot more.

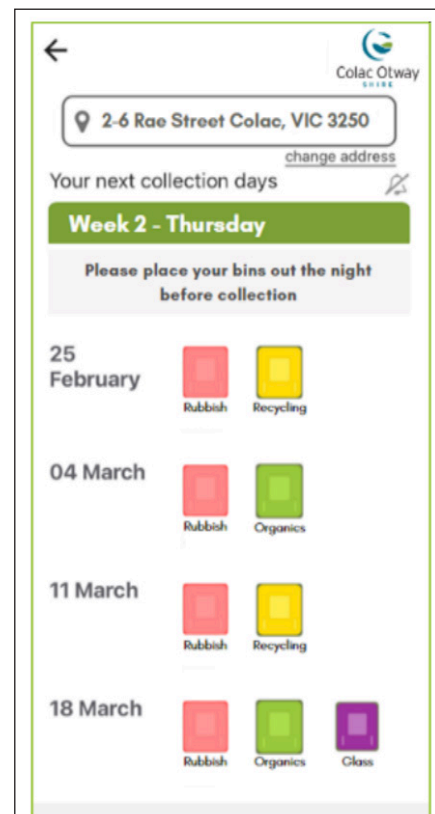
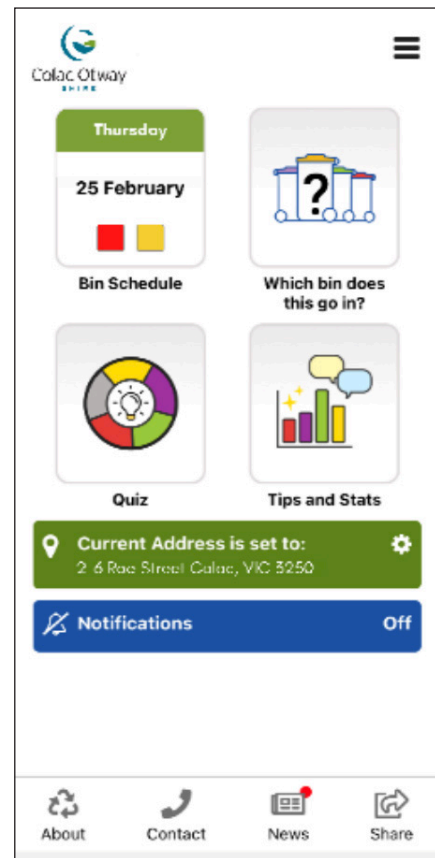
Bin schedule Enter your address to find out which bins to put out for the next four weeks. Set a time to receive a reminder alert to put out your bins.

Which Bin Does This Go In? Enter a household item into the interactive tool to check in which bin it goes, as well as additional recycling options where available.

News feed Receive information about your waste and recycling service that may be new or noteworthy.

Tips & Stats Learn about everyday actions that can help avoid producing waste, and how each recycling stream is tracking shire wide.

Notifications Switch on Notifications to receive a ping when there are service updates or news items.



OPPORTUNITIES CHALLENGES & OPPORTUNITIES

WASTE MANAGEMENT COSTS

The 2020-21 Waste Management Charge decreased by \$15 for weekly services and \$10 for fortnightly services positioning it as the lowest “charge” in the Region for waste management.

As it is proposed to implement a monthly glass collection service in 2021-22, this service will incur additional costs for collection but it is estimated that overall recycling treatment costs will be reduced by excluding glass from the commingled recycling bins.

It will also be necessary to purchase bins for the service which is anticipated to be offset by State Government funds to some degree. Detailed modelling and assessment of these costs is required prior to commissioning the service.

WASTE AND RESOURCE RECOVERY INFRASTRUCTURE

The range of waste and materials deposited at the transfer stations at Apollo Bay and Alvie is quite extensive. However, the process whereby residents and commercial businesses deposit their materials is not overseen as generally staff are available only to manage the weighbridge.

An option offered is to make arrangements such that there is supervision of the emptying of trailers / bins etc. The additional scrutiny may result in source separation of waste and additional materials being recycled or sorted such that only “waste and refuse” is sent to landfill disposal.

It is also recommended that disposal costs be reviewed to provide incentives for users of the transfer station to sort their loads and reduce landfilled waste.

APOLLO BAY

Generally operations and site investigations identify that the transfer station operates efficiently and is compliant with best practice guidelines. With the new arrangements occurring with the waste management services tender and the anticipated increased reporting and monitoring requirements of Government, it is proposed that additional auditing and compliance checking will be conducted on site to maintain contract and reporting compliance.

ALVIE

With the expected legislative changes it is recommended that this site be revisited by an auditor to check on the current arrangements pertaining to the Alvie Fire Management Plan as well as the level of Management and Storage of Combustible Recyclable and Waste Materials Guideline.

RECYCLING VICTORIA'S REQUIREMENTS

The introduction of the Victorian Governments Policy “Recycling Victoria” requires Council to consider and implement services, works and programs to assist with the policy implementation. Proposals for consideration which respond the policy actions expected to be implemented are shown in the following table;

Recycling Victoria policy actions	Council will:
<p>2.1 Support for communities The Victorian Government will provide grants to support local community groups, social enterprises and other not-for-profit businesses working to reduce waste and improve recycling, including through repair cafes and product-sharing schemes. Initiatives to tackle litter and illegal dumping will also be supported.</p>	<p><i>Advocate on behalf of and support community groups and locals to host repair cafes, community gardens. Implement a community resilience project to identify and report dumpers.</i></p>
<p>2.2 Support for councils Local councils will be able to apply for funding to identify and implement local services and solutions that enable their community to participate in a circular economy.</p>	<p><i>Apply for funding to support services and programs initiated by Council</i></p>
<p>2.3 State-wide education and behaviour change programs The Victorian Government will deliver education and behaviour change programs to support a range of initiatives included in Recycling Victoria, including reforming kerbside recycling services.</p>	<p><i>Incorporate educational programs seeking to encourage positive behavioural changes as part of the community engagement program</i></p>

OPPORTUNITIES

CHALLENGES & OPPORTUNITIES

Recycling Victoria policy actions	Council will:
<p>4.1 Support for charities To achieve these outcomes, the government will: support the reuse, repair and share sectors through the Circular Economy Business Innovation Centre (see Action 1.1), business support grants (Action 1.2) and the Support Victorian Communities and Councils programs (see Actions 2.1 and 2.2)</p>	<p><i>Investigate the potential for repair & reuse (R&R) to be included with tip shops at the RRCs. Engage with Men's Shed operations to determine level of interest in participation</i></p>
<p>5.1 Household recycling reforms To manage this transition, the Victorian Government will provide a kerbside reform package to support local government to roll out this new recycling system for Victoria. This system will include access to four core waste and recycling services: 1. Combined food and garden organics 2. Glass - the community will be offered a new glass bin or access to glass services by 2027 3. Combined paper, plastic and metals 4. Residual waste. Councils will be expected to work together, aggregating waste volumes and pursuing collaborative procurement of waste and recycling contracts to achieve improved services and recycling outcomes.</p>	<p><i>Determine framework for introduction of glass recycling in transition plan. Conduct bin audits as a preliminary measure to determine material streams in current bins. Seek funding from state from lodgment of final transition plan. Pursue collaborative procurement with regional councils</i></p>
<p>5.2 Introduce a container deposit scheme Where containers are collected at the kerbside, councils and recyclers will share the deposit refund. Victoria's scheme will be introduced by 2022/23.</p>	<p><i>Brief Council regarding the Government proposed CDS arrangements and identify requirements of Council.</i></p>
<p>Key commitment 6: Fit-for-purpose landfill levies.</p>	<p><i>Refer section below</i></p>
<p>Key commitment 7: Governance and regulation. 7.1 Regulate waste as an essential service. The Victorian Government will establish a new dedicated waste and recycling act to ensure services are reliable and meet community expectations. It will require improved data collection from waste and recycling organisations (including material recovery facilities). Councils will also be required to provide information on the cost of delivering waste and recycling services.</p>	<p><i>An integrated financial system is required to match records for goods disposal with revenue received and expenditure incurred. Financial monitoring and budgets need to be improved in regards to information provided to the community.</i></p>
<p>The Victorian Government will introduce new rules to require businesses to sort commonly recyclable materials and organic waste from unrecoverable wastes. It is expected that these rules will apply to businesses that do not use the kerbside collection system.</p>	<p><i>Consult with local business organisations to identify and determine appropriate business recycling services and providers.</i></p>
<p>8.2 Public leadership in recycling We will seek new opportunities to purchase products containing recycled material (such as recycled printing paper) and use recycled materials to build roads and other public infrastructure.</p>	<p><i>Review the procurement Policy to require "green purchasing" and revise suppliers and contractor arrangements that encourage recycling and minimise waste as a selection criteria</i></p>
<p>Key commitment 11: Expand Victoria's waste data systems A new waste and recycling data system will be developed to enable better waste management and circular economy monitoring and recycling market intelligence reporting.</p>	<p><i>Data collection to be improved by use of enhanced electronic systems</i></p>

OPPORTUNITIES CHALLENGES & OPPORTUNITIES

ENVIRONMENT PROTECTION REFORMS

As part of the Victorian Government's recognition that major reforms are needed to lift the performance of the recycling sector, a major change to now regulate waste as an essential service has been adopted. This will ensure greater transparency and service standards. New legislation will be established by the Victorian Government, which will result in the establishment of a new waste authority in 2021.

The functions of such waste authority are still unclear at this time, but are likely to subsume the role currently played by the Waste and Resource Recovery Groups.

Councils interact with the EPA in several different roles, including as regulated duty holders, co-regulators and planning authorities. Under the new legislation, the requirements on Council will increase markedly.

The key reform in the new environment protection legislation, is the introduction of a General Environmental Duty (GED). The GED places a duty on individuals and organisations to be aware of and manage risks to the environment. For Council this will operate in much the same way as the duty to be aware of and manage OHS risks, which means the duty to identify and manage risks to the environment is criminally enforceable.

The highest risk activities will continue to require an EPA license to operate (for example landfills), and there will now be two other levels of permissioning - permit and registration - which will apply to sites based on the threshold of material kept on site (including Council RRCs).

It is unknown at this time what actual new requirements may be. Certainly there will be increased requirements for the management of combustible stockpiles and emergency preparedness, as well as increased requirements for data collection.

Financial assurances which currently apply only to licensed sites will be able to be more widely applied, including to all resource recovery sites, and will be more rigorously scrutinised including through an annual external audit process.

The legislation introduces a range of new duties specifically related to the collection transport and receiving of waste. Depending on the detail of the regulations, this will apply to Council's management of RRC sites and landfill, as well as to Council contractors as waste transporters. This will impose requirements for record keeping and data management that will necessitate an overhaul of record keeping processes at Council's facilities with a move to electronic data capture.

There are a broad range of other changes under the new legislation, including increased penalties, changes to the management of litter, changes to the delegations for Councils to enforce breaches, changes to EPA interaction with the planning scheme and significant changes to the environmental standards against which risk is assessed. This last item will require revision of all management plans for high risk activities such as landfills, closed landfills and resource recovery centres.



OPPORTUNITIES CHALLENGES & OPPORTUNITIES

LANDFILL LEVY INCREASES

It is the State Government's intention that high landfill levies act as a market deterrent to provide support to resource recovery industries and an incentive for all Victorians to divert waste to recycling. Key commitment 6: Fit-for-purpose landfill levies.

"Getting full value" commits to continued use of the landfill levy in this way. Accordingly, since 2008-09 the levy for municipal waste has increased over 400% from \$7.00 to \$29.30 per tonne, and the rate for industrial waste has increased 700% to \$51.30 per tonne. Such increases in levies aims to discourage interstate transport of waste to Victorian landfills whilst creating a strong incentive to support the waste management hierarchy by encouraging waste avoidance, recycling and technological innovation.

The proposed increases to the levy over the next three financial years are shown below:

Levy	1 July 20 - 31 Dec 20 (2020-21)	1 Jan 21 - 30 Jun 21 (2020-21)	1 Jul 21 - 30 Jun 22 (2021-22)	1 Jul 22 - 30 Jun 23 (2022-23)
Metropolitan Municipal and Industrial Levy	\$65.90	\$85.90	\$105.90	\$125.90
Rural Municipal Landfill Levy	\$33.03	\$42.95	\$52.95	\$62.95
Rural Industrial Landfill Levy	\$57.76	\$75.59	\$93.19	\$110.79
PIW - Category C Landfill Levy	\$70.00	\$85.90	\$105.90	\$125.90
PIW - Category D Landfill Levy ²	New category from 1 July 2021		\$105	

It is imperative a clear and transparent communication be provided to the community regarding the impacts of the increases to the landfill levy. The considerable increase in levies will need to be reflected in the gate cost to the community as well as in the waste management charge for kerbside collection services.

Based on current waste generation rates, the impacts for 2020-21 are negligible as the increased levy is applicable for six months only. However, for the 2021-22 year the levy will be \$19.92 higher than 2020-21, and for 2022-23 the levy will increase by \$29.92.

The Municipal Weekly Waste charge will increase without account for increased collection costs or disposal costs by an average \$8.00 in 2021-22 and \$9.36 in 2022-23.

In the same time-frame it is also anticipated that total RRC waste disposal costs will increase by approximately \$60 to account for the rise in the landfill levy.

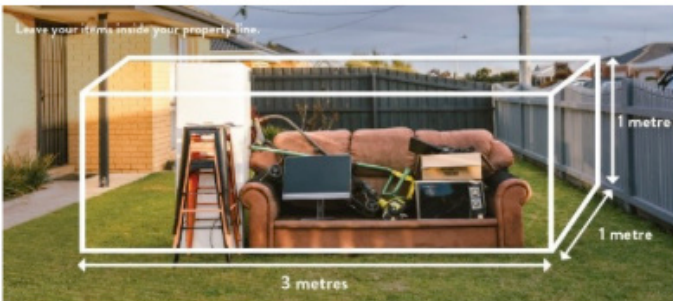
Additionally, address the potential of Illegal dumping occurring, consideration should be given to the introduction of measures which seek to reduce disposal costs to the community for some waste materials or alternatively the implementation of additional service options for the community benefit. These additional services may include:

- Free mobile tree mulching pre fire season

OPPORTUNITIES CHALLENGES & OPPORTUNITIES

ILLEGAL DUMPING

Council is responsible for managing the Shire's illegal dumping incidents. The level of illegal dumping occurring in the Shire appears to be minimal. However increased emphasis is recommended regarding the investigation of dumping incidents to identify if there is any relationship between the frequency of incidents and associated disposal costs impacted by the increased landfill levy.



HARD WASTE COLLECTION

Hard waste is described as large items that cannot fit in a regular bin and hence are usually quite large such as fridges, washing machines, couches, cupboards, wardrobes, televisions, furniture, computers, mattresses, building material and similar items.

The Barwon South West Regional Waste and Resource Recovery Group (BSWRRG) Implementation Plan 2017-2026 states regarding Hard Waste Collections S 4.2.2 that:

Hard waste collections have historically been provided by a number of councils across the region for households to dispose of items not suitable or permitted in the household kerbside collections.

Hard waste collection services have been discontinued by most Councils in the region due to the cost, amenity and occupational health and safety issues, with residents encouraged to use the RRC/TS (Regional Recovery Centres /Transfer Station) network.

Discussions held with other member Councils of the BSWRRG have identified the following issues / information related to hard waste collection schemes.

- The practicality of hard waste collections in rural councils is generally less than that of metropolitan councils due to the travel distances involved

- Hard waste collection systems are introduced primarily to combat illegal dumping and secondarily to recover additional resources

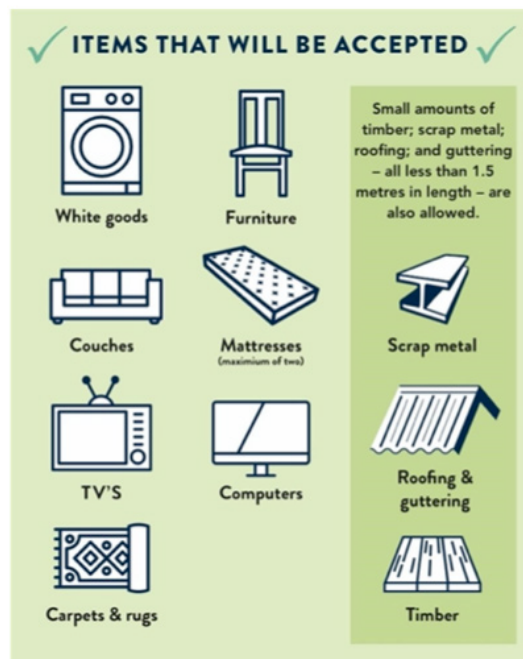
Hard waste collection services have been discontinued by most group councils due to the cost, amenity and occupational health and safety issues'

- Many Councils instead of providing vouchers for waste disposal, do not charge for receipt of a wide variety of recyclables at the Transfer Station. Some Councils have free recyclable days or periods rather than for the entire year
- Alternative methods for dealing with undesirable items, such as specific collection programs or increased promotion and education of transfer stations as drop-off centres for designated items can be implemented to maximise the reuse and recycling of materials.

Horsham City Council considered hard waste collection as part of the development of a waste management strategy. However, in their deliberations the following discussion was minuted:

"The committee raised some concerns about the risks of hazardous materials being left on kerbs for collection. These materials could pose a risk to the community and staff involved in collection. Despite this, it was considered that a form of hard waste collection service should be available for people with limited abilities"

Hard Waste means household items no longer required including:



OPPORTUNITIES CHALLENGES & OPPORTUNITIES

Hard Waste or Bulk Waste disposal options

The recent contract for waste management services sought a tender for provision of a once per annum collection of up to three cubic metres for all residents receiving kerbside collection services. The tender received exceeded \$1.18 M which works out at \$118 per tenement or household.

It's important that any additional services introduced should be efficient, complement existing services (i.e. transfer Station operations), represent value for money and meet the needs of all community.

Currently many in the community use the existing transfer station network to dispose of unwanted goods, however this access is dependent on those people having access to transport (a trailer or a truck). The gap in the existing services is to meet the needs of the community who are without transport access or those living with limited financial means. Hence the solution also needs to include the capacity for goods to be picked up at a person's residence.

The survey conducted into hard waste in August 2020 produced the following results from the 300 respondents:

- 97% would utilise a hard waste service if provided
- Goods to be disposed in the service 53% household items, 36% white goods (steel), 31% scrap metals, 8% green waste, and 48% all of the materials identified
- Twice per year service is preferred to annual collection
- 10% preferred self-haul, with booked collections at 25% and kerbside collection at 65%
- Collection volumes preferences were for two cubic metres at 42% and three cubic metres by 31%
- Fee payable; preference for fee of \$24-\$49 by 68% with 20% saying no charge

The Metropolitan Waste and Resource Recovery Group Hard Waste Services Leading Practice Guide identifies the following Requirements to be considered when implementing hard waste services.

These priority materials in the hard waste collection must be diverted from landfill:

- Ferrous and non-ferrous metals
- E-waste
- Mattresses
- White goods
- Furniture

Only non-recoverable material should be disposed to landfill.

A 'Book and call' kerbside service that includes a hard waste pre-assessment scheme would assist residents to identify and use local management options for the recoverable items in their hard waste. A 'Book and Call' kerbside service is just one option available to the community, however, Council can investigate different hard waste collection options.

Other ways to deal with unwanted items and to avoid landfill include:

- Donate items to a local charity store or arrange for the charity to collect your item
- Promote your unwanted items on a social networking sites such as Buy/Swap/Sell or on your Facebook page - marketplace
- Post a notice up at your work or on community notice board advertising your item(s).
- Sell item(s) online on sites such as EBAY and Gumtree, or advertise in the local paper
- Post your items on a reuse website such as Freecycle
- Hold a garage sale
- Engage with local traders that deal with bulky goods, furniture, white goods to develop an incentive scheme whereby they would take away the item replaced when delivering a new item
- Allow discretion with residents putting goods on nature strips for short periods e.g. weekends
- Implement a "Tip Shop" in Colac by arrangement with a local company
- Develop a community grants program for residents and businesses to assist residents with needs to dispose of unwanted goods
- All of these options could be formulated to be part of the hard waste collection system

WHERE TO FROM HERE

At the time of publication of this Strategy, Council was exploring further options for handling Hard Waste.

STRATEGIC PLAN

STRATEGIC PLAN

OBJECTIVES FOR THE FUTURE

SUSTAINABLE MANAGEMENT OF RESOURCES

To engage, educate and promote sustainable practices.

RECOVER / REUSE MORE RESOURCES

To provide convenient and affordable waste services that meet the needs of the community to reduce their potential environmental, social and financial costs.

PROTECT THE ENVIRONMENT

To minimise negative impacts of waste on the environment.

OUR SERVICE TARGETS

Our strategic targets are framed by reference to Government Legislation and Policy as well as the vision of the Council plan.

“Diversion”

- Divert 80 per cent of waste from landfill by 2030, and an interim target of 72 per cent by 2025.
- Halve the volume of organic material going to landfill between 2020 and 2030, with an interim target of 20 per cent reduction by 2025.
- Achieve a diversion rate of 70% by 2025/26

“Service Targets”

- Cut total waste generation by 15 per cent per capita by 2030.
- A new separate glass service is to be fully in place by 2021/22
- A Container Deposit Scheme (CDS) will be introduced by 2022/23
- Single-use plastics banned across the State by February 2023.
- RRCs/Transfer Stations must comply with relevant legislation and regulations, as well as any relevant compliance codes, guidelines and standards.
- Reduce contamination in bins to ;
 - Waste - 2%
 - Recycling - 5%
 - FOGO - 0.5%
 - Glass - 5 %
- Complete annual audits of waste streams
- Closed landfill rehabilitation is completed
- Closed landfill monitoring continues with favourable results

Policy development

- Adoption of Resource Recovery & Waste Management Policy by 2022
- Procurement policy targets of 10% recycled materials content by 2023/24
- Introduce council policies which minimise waste production and disposal related to planning , building and construction works

Community engagement

- Number of social enterprises involved in recycle / reuse / repair functions

Waste data systems

- Introduce a new waste and recycling data system to enable better waste management and circular economy monitoring, and
- To continue to provide public waste and recycling market intelligence reporting.

STRATEGIC PLAN

STRATEGIC PLAN

Colac Otway Shire Resource Recovery and Waste Management Strategy 2021-2030			
ACTION	FINANCIALS	TIMEFRAME	PERFORMANCE OUTCOME
Objective 1: Sustainable Management of Resources- To engage and promote sustainable practices			
Community Education and Awareness			
1. Continue to develop and support delivery of community education that focuses on reducing waste and minimising contamination in recycling / FOGO (and in the future – Glass) bins.	\$10,000	Annually	Number of education postings
2. Promoting Council's (as well as the community's) waste and recycling performance annually via Council communications could also encourage residents to perform better and seek self-improvement in waste and recycling behaviour within the home	Council Officer Time	Annually	Annual Resource Recovery and waste Management report
3. Increase community confidence of the kerbside recycling service, through communications around what happens to the recycling after collections and local recycling contamination issues	Council Officer Time	Annually	Community satisfaction rating
4. Use communication and social media channels to promote ways of reducing waste, reusing and recycling.	Council Officer Time	On-going	Number of postings
5. Advocate on behalf of and support community groups and locals to host repair cafes, community gardens.	Council Officer Time	On-going	Advocacy responses
6. Support the delivery of the Regional Education Waste & Resource Recovery Education strategy 2018-22 to the community	Council Officer Time	On-going	Strategy delivered
7. Participate in regional and state waste education programs	Council Officer Time	On-going	Programs delivered
8. Investigate services and infrastructure options that support and incentivise waste avoidance	To be Determined	On-going	Inclusion in budget annually
9. Gather baseline data on community waste and resource recovery behaviours, knowledge, attitudes and perceptions to form a Resource Recovery and Waste Management report	Council Officer Time	2021/22	Baseline data complete
10. Develop a Shire Waste & Resource Recovery Engagement Plan (WRREP) to include execution of the Glass recycling service transition and	Council Officer Time	2021/22	Glass Transition Engagement Plan
11. Establish Resource Recovery Centres (RRC) at our transfer stations	To be included in operational costs	2024/25	Number of items recovered annually
Collaboration/ Partnership and Advocacy			
12. Implement ongoing education campaigns focused on supporting positive behavioural change to avoid and reduce waste whilst increasing resource recovery in local businesses and the community.	\$10,000	Annually	Number of contacts made.
13. Investigate ways to help schools minimise their waste, such as the Resource Smart school program.	Waste Officer Time	On-going	
14. Support and participate in regional and state waste avoidance and minimisation programs such as <i>Plastics Free July, Clean Up Australia day, etc.</i>	Waste Officer Time	On-going	Number of programs held
15. Reinforce recycling best practice to reduce contamination particularly from local businesses using Council's kerbside collection services.	Waste Officer Time	2021/22	Number of contacts made.
16. Consult with local business organisations to identify and determine appropriate commercial recycling services and providers.	Waste Officer Time	2024/25	Consultations held
17. Encourage the development of business-led sustainability networks which address resource efficiency and waste avoidance	Waste Officer Time	2025/26	Networks developed
18. Explore options to better promote home composting to reduce food waste sent to landfill e.g. such as compost revolution	\$10,000	2024/25	Number of alternatives supported
19. Work with BSWWRRG and other councils to explore regional procurement opportunities	Waste Officer Time	2020 to 2025	Number of Meetings attended
20. Develop and promote a regional school's toolkit linked to the Victorian curriculum to support local teachers to provide effective waste and resource recovery education.	\$5,000	2022/23	Contribute to toolkit, number of schools attended.
21. Explore opportunities for locally focused engagement programs which are interactive and seek to add 'excitement' to waste and recycling issues, e.g. School tours of the RRC (excursions) School visits regarding waste and resource recovery (incursions)	Waste Officer Time	2024/25	Number of schools attended.
22. Engage with Men's Shed operations to determine level of interest in participation in repair and reuse proposals	Waste Officer Time	2024/25	Engagement made

STRATEGIC PLAN

STRATEGIC PLAN

Colac Otway Shire Resource Recovery and Waste Management Strategy 2021-2030			
ACTION	FINANCIALS	TIMEFRAME	PERFORMANCE OUTCOME
Council Policy and Practices			
23. Encourage use of recycled materials in Council projects and motivate contractors by providing weightings in the evaluation criteria to support recycled markets	Council Officer Time	2021/22	Procurement Policy reviewed
24. Incentivise contractors or consultants to encourage increased recycling or reuse of waste materials from Council operations and avoid disposal costs	Waste Officer Time	2022/23	Procurement Policy reviewed
25. Identify opportunities for Council to avoid and minimise waste in its operations, support good practice waste avoidance initiatives within internal council operations. 25.1 Explore options for eliminating single-use products from Council events 25.2 Explore options to increase recycling from Council operations. 25.3 Consider recycling food waste from kitchens in Council facilities	Council Officer Time	2021/22	Report to council identifying potential activities
26. Strengthen the Procurement Policy to align with Australian Government's Sustainable Procurement Guide, and put waste minimisation into procurement practice.	Council Officer Time	2022/23	Procurement Policy reviewed
27. Review Council's procurement policy including increasing green purchasing, establishing a plastic-free policy, enhanced staff education on waste avoidance	Council Officer Time	2022/23	Procurement Policy reviewed
Objective 2: Recover/ Reuse more Resources- To provide convenient and affordable waste services that meet the needs of the community to reduce their potential environmental, social and financial costs			
Community Education and Awareness			
1. Undertake a focused information program to inform the community of the landfill levy increases, including (potentially) separating out the levy costs on rates notices	Council Officer Time	Annual	Program delivered
2. Provide education and behaviour change programs that reduce bin contamination and increase resource recovery. (An average of (25.9%) of the waste bin could be diverted to recycling).	Waste Officer Time	On-going	Change programs delivered
3. Continue to monitor and reduce contamination rates in kerbside recycling and garden organics bins through the Shire's kerbside bin audit program and waste education and provide information feedback to community	LG Program Regional Contribution (\$11k)	On-going	Bin audits completed and ongoing
4. Carry out direct engagement with local businesses and waste contractors to reduce contamination	Waste Officer Time	2022/23	Bin audit follow-ups
5. Consider local reuse options for furniture, clothing and other domestic items	Waste Officer Time	2023/24	Number of items reused
Council Policy and Practices			
6. Implement strategies (including service variations to suit businesses) to increase the uptake of kerbside services by local businesses, offering domestic consumers options to downsize or share waste bins with incentives	Waste Officer Time	On-going	Annual Resource Recovery and Waste Management statement
7. Develop a waste policy, which defines exemptions / collection territory areas / addition to services / costs associated with the waste management charge.	Waste Officer Time	2021/22	Waste Policy approved by Council
8. Develop the final transition plan and policy update for introduction of a glass collection service and /or transfer station collections / bottle banks / vending machines, and	\$10,000 Funded externally	2021/22	Transition plan finalised Funds allocated
9. Submit to DELWP for funding support	Nil	2021/22	Plan submitted
10. Design and implement a focused public education process in advance prior to the glass collection service rollout. This is a two-step process, as CDS will be introduced by 2023, hence the initial stage is implementation of the glass collection service followed by the removal of glass receptacles that attract container deposits.	\$10,000 p.a. Waste Officer Time	2021 - 2023	Engagement process designed / implemented
11. Introduce the glass collection service in accordance with the transition plan, including bin purchase supply and delivery followed by introduction of the collection service.	\$500,000	2021/22	Glass Service commenced

STRATEGIC PLAN

STRATEGIC PLAN

Colac Otway Shire Resource Recovery and Waste Management Strategy 2021-2030

ACTION	FINANCIALS	TIMEFRAME	PERFORMANCE OUTCOME
Operational Services and Infrastructure			
12.Regular analysis of the waste stream (e.g. via regional waste audit programs, annual recycling audits with recycling contractors)	LG Program Regional Contribution (\$11k)	Annual	Bin audits completed and ongoing
13.Implement hard waste collection service options and recommend next steps. 1) Investigate different resource recovery service options for residents, such as on-demand collection services. 2) Open days at the RRCs for designated materials which have become problems for illegal dumping, e.g. mattresses / furniture / etc.	Officer Time	2021/22	Hard Waste Service implemented
14.Review staff resources /agreements and consider trialling increased supervision / observation of drop-off areas at transfer stations to encourage separation of materials and avoid holistic disposal into waste bins of materials that could be recovered.	Officer Time	2021/22	Contractor discussion held.
15.Identify arrangements necessary to support the implementation of the Container Deposit Scheme (CDS).	\$10,000 Externally Funded Waste Officer Time	2021/22	CDS Implemented
16.Upgrade RRCs as relevant to meet best practice and provide infrastructure for diversion of additional materials	\$150,000 Externally funded	2022/23	Report to council for funding allocations
17.Investigate opportunity for repair / reuse and recovery of items perhaps in conjunction with Men's shed activities or to be located at the transfer stations "Tip Shops"	Waste Officer Time	2022/23	Number of items repurposed
18.Work with community groups and local 'op shops' to understand the standard for acceptance and resale of second hand goods	Waste Officer Time	2022/23	Number of shops taking up options
19.Investigate issues and barriers to remove restrictions upon the recovery of silage wrap / treated timber / soft plastics and oil bottles as defined in BSWWRRG priority materials plan	Waste Officer Time	2023/24	Investigation conducted
20.Review the existing public place bin network and consider opportunities to improve and expand public place recycling.	\$10,000 yearly	2020 to 2025	Number of bins installed
21.Provide infrastructure and services in Council buildings that support increased recycling rates.	Waste Officer Time	2020 to 2025	Success of recycling
Objective 3: Protect the environment- To minimise negative impacts of waste on the environment			
Community Education and Awareness			
1. Promote and support litter collection campaigns such as Clean Up Australia day.	Waste Officer Time	2021/22	Report in Annual report
Council Policy and Practices			
2. Ensure suitable management measures are in place for the introduction of the combustible waste regulations at Apollo Bay and Alvie Transfer Stations	Nil	2021/22	Brief Council
3. Review council policies and procedures to identify opportunities that reduce waste and increase resource recovery both in the workplace, and in the community	Officer Time	2020 to 2022	Include in annual Policy Review process
4. Invest in staff training to consider the use of recycled products in delivery of services	Officer Time	2021/22	Training conducted
5. Review approvals required for event waste management and recycling plans	Officer Time	2020 to 2022	Event Planning review completed
6. Develop waste management guidelines for planning permit applications, to guide applicants to prepare a plan to manage the waste and recycling needs of residential and commercial developments.	Officer Time	2020 to 2022	Guidelines developed for waste wise event management
7. Investigate better waste and recycling systems to support the development of a waste management-planning guide for subdivision, multi-tenement and higher density developments.	Officer Time	2020 to 2022	Guidelines developed for waste wise planning applications
Partnerships and Advocacy			
8. Collaborate with government agencies, land managers, landowners and relevant stakeholders to reduce and prevent illegal dumping across the municipality.	Officer Time	On-going	Report in Annual report

STRATEGIC PLAN

STRATEGIC PLAN

Colac Otway Shire Resource Recovery and Waste Management Strategy 2021-2030			
ACTION	FINANCIALS	TIMEFRAME	PERFORMANCE OUTCOME
9. Advocate for increased enforcement, technical advice and support from the Environment Protection Authority Victoria.	Officer Time	On-going	Report in Annual report
10. Work with government agencies, local governments and organisations to increase the use of recycled materials in road, building and other infrastructure constructions.	Officer Time	On-going	Report in Annual report
11. Collaborate with BSWWRRG and other agencies to support schools, hospitals, catering and other businesses to improve their waste practices and reduce landfill waste.	Waste Officer Time	On-going	Report in Annual report
12. Continue to collaborate with G21 councils on collaborative procurement and resource recovery initiatives.	Waste Officer Time	On-going	Report in Annual report
13. Collaborate with other local governments and waste regional groups to identify and develop waste management and infrastructure solutions.	Waste Officer Time	On-going	Report in Annual report
14. In partnership with key stakeholders in emergency organisations and government, develop educational support for best practice waste management related to emergencies.	Waste Officer Time	2023/24	Information collated
Operational Services and Infrastructure			
15. Continue monitoring of groundwater, landfill gas and other amenity requirements at all COS closed landfills	Landfill Officer Time	On-going	Monitoring conducted Reported to EPA
16. Alvie Transfer Station – conduct a further audit to follow up the Barwon South West region audit of 2018 for an assessment of the Alvie site against best practice standards, and the Management and Storage of Combustible Recyclable and Waste Materials Guideline to identify and prioritise infrastructure improvements	Waste Officer Time	2021/22 2021/22	Audit completed Report to Council
17. Review all data collection and reporting practices to ensure information likely to be required by DELWP / Sustainability Victoria and Recycle Victoria is able to be sourced and is able to be verified.	Waste Officer Time	2021/22	Review completed
18. Protect the environment using best practice and management of existing waste infrastructure, including landfills, recycling facilities and services by implementing an annual compliance check and reporting to Council audit committee.	Landfill Officer Time	2021/22	Report to Committee
19. Review current approach to budgeting for landfill rehabilitation, aftercare, and accountability to the Local Government Victoria publication Local Government - Accounting for Landfills 2016-17 to ensure all requirements are met.	Landfill Officer Time	2021/22	Review completed
Performance Reporting			
20. Continue to provide input into Local Government Performance Reporting Framework), DELWP's Local government community satisfaction survey,	Officer Time	Annual	Report presented
21. Conduct an annual review of the Strategy and provide an annual statement to Council	Waste Officer Time	Annual	Council report
22. Liaise with the kerbside collection contractor to receive monthly reports showing trends and KPIs	Officer Time	On-going	
23. Monitor market development and research for recycled materials and assess applicability to the municipality	Carry out works when funds available	On-going	Monitoring Report as required
24. Monitor the development of alternative waste technologies and assess the potential impacts when established	To be determined	On-going	Monitoring Report as required
25. Conduct a regular analysis of the waste stream (e.g. via regional waste audit programs, annual recycling audits with recycling contractors) with waste data reporting and analysis (e.g. through participation in regional waste audit programs, enhanced RRC data recording)	Officer Time BSWWRRG	On-going	Waste stream audit completed
26. Monitor and report quarterly to Council	Officer Time	Quarterly	Council report
27. Conduct a review and update the strategy on a four yearly basis to fine tune actions beyond the initial 4-year period.	Officer Time	2025/26	Council report strategy update
28. Implement or extend the financial system to match records for goods disposal with revenue received and expenditure incurred to support data collection and reporting to meet State Government reporting requirements.	Officer Time	TBD	Requirements TBA

THE NEXT STEPS

THE NEXT STEPS

The draft Resource Recovery and Waste Management Strategy was developed in early 2021. Feedback was sought, the document reviewed and recommend changes to the draft strategy were made where required. The final draft was considered by Council in mid-2021.

How we will implement the plan?

The implementation plan which will be a rolling 2 year plan. Waste and resource recovery management is constantly changing. We have chosen to plan implementation two years in advance in order to respond to rapidly changing variables, such as:

- Trends in the waste sector
- Community expectations
- Our annual budget
- Changes in the our priorities and programs and
- Changes in federal and state government policies and programs

The plan will identify:

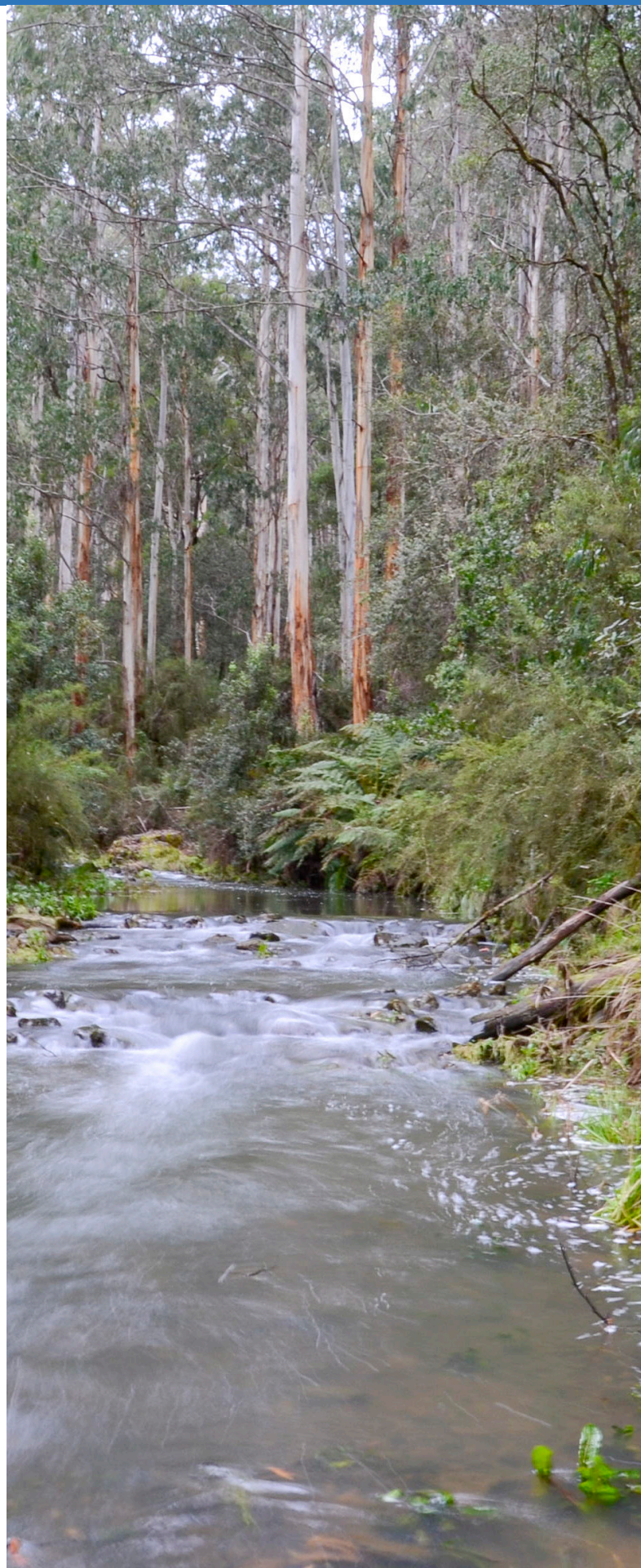
- The strategic actions we will be working on with more specific timelines for each action
- Resources required and available, and
- Progress to date.

How we will fund the implementation?

The funding we need to implement the strategic actions for each two-year period will be considered in our annual planning and budgeting cycles. We will also seek external funding opportunities to further progress our vision, goals and strategic actions.

How we will report?

At the end of every annual implementation cycle, we will report our progress to Council and community at the end of the financial year. This report will be made publicly accessible via our website. The first report will be delivered to Council in 2022.





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