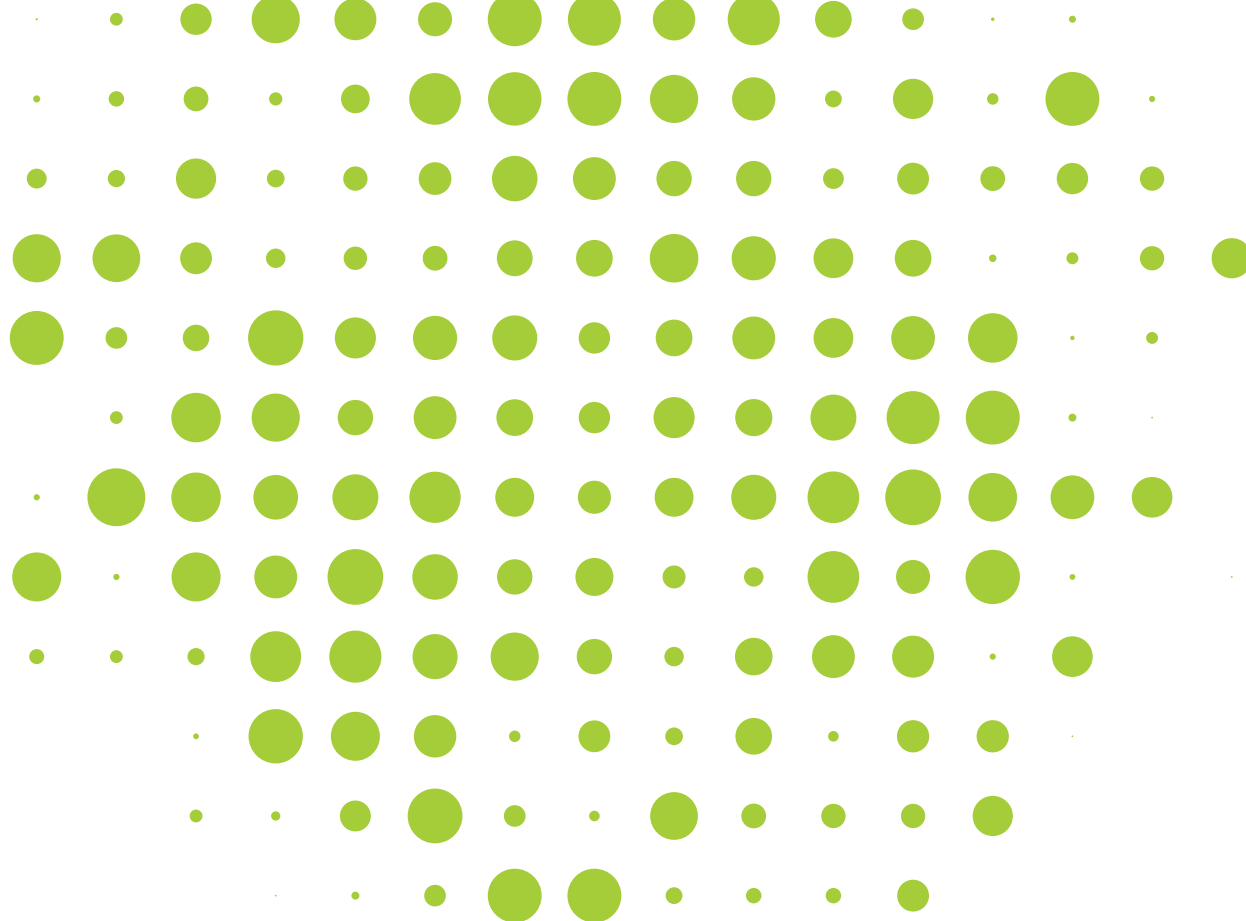




Annual Report **2021-2022**

Cradle Coast Waste Management Group



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GLOSSARY OF ABBREVIATIONS

BCC	Burnie City Council
CCA	Cradle Coast Authority
CCC	Central Coast Council
CHC	Circular Head Council
CCWMG	Cradle Coast Waste Management Group
CCWS	Cradle Coast Waste Services
DCC	Devonport City Council
DWM	Dulverton Regional Waste Management Authority
EPA	Environment Protection Authority
FOGO	Food Organics Garden Organics
GM	General Manager
KC	Kentish Council
KPI	Key Performance Indicator
LC	Latrobe Council
LGAT	Local Government Association of Tasmania
MOU	Memorandum of Understanding
MRF	Materials Recycling Facility
MSW	Municipal Solid Waste
NRE	Department of Natural Resources and Environment
NTWMG	Northern Tasmania Waste Management Group
STWMG	Southern Tasmania Waste Management Group
TOR	Terms of Reference
WTS	Waste Transfer Station
WWC	Waratah Wynyard Council

1 INTRODUCTION

1.1 WHO WE ARE

The Cradle Coast Waste Management Group (CCWMG) was formed in 2007 and represents seven North-West Tasmanian Councils who initiated a levy on the local landfills to supply funds to support waste diversion activities. The Councils are represented by each General Manager and management of programs and projects are implemented by staff of Dulverton Waste Management (DWM) under the trading name Cradle Coast Waste Services (CCWS).

CCWMG's vision is to deliver a sustainable community in the Cradle Coast region of Tasmania. This is achieved through:

- the provision of regional waste diversion contracts which enable reduced costs to Councils and improve circular economy outcomes
- supporting Councils in delivering best practice waste management sites and services
- researching waste trends, community habits and industry infrastructure needs
- supporting these efforts through regional and Statewide communications campaigns.

The current CCWMG representatives are:

- **Simon Overland**, BCC
- **Sandra Ayton**, CCC
- **Vanessa Adams**, CHC
- **Matthew Atkins**, DCC
- **Shane Crawford**, WWC
- **Gerald Monson**, LC, KC

Cradle Coast Waste Services (CCWS), a subsidiary of the Dulverton Regional Waste Management Authority (DWM), provides project management support and waste expertise to the CCWMG and is represented by:

- **Mat Greskie**, CEO
- **Miriam Beswick**, Business Manager (BM).

1.2 OUR PRINCIPLES, GOALS AND TARGETS

The CCWMG's 5 Year Strategy 2017 – 2022 was adopted in June 2017.

The Strategy's four goals are:

1. Waste diversion: Diversion of materials from landfill to increase resource recovery, extend the life of existing landfills and reduce greenhouse gas emissions from waste.

2. Regional planning and efficiencies: Provide regional planning and coordination of waste infrastructure and services to provide improved resource recovery, delivering efficiencies and reducing costs of services/ waste infrastructure.

3. Partnerships: Maintain partnerships with government, planning authorities and the 3 waste regions to shape waste management policies and regulation to influence future regulatory requirements and to identify programs and infrastructure best delivered with a state-wide approach.

4. Community engagement: Work with the community and industry, through education and feedback, to take ownership of waste avoidance and reuse to improve the use of existing and future services.

The CCWMG have also set measurable and achievable objectives in the Strategy which will allow the CCWMG and participating councils to track their progress over the 5-year plan. The objectives take the form of Key Performance Indicators (KPIs):

- By 2022, divert 50% of all Municipal Solid Waste (MSW) from local government landfill facilities across the region.
- By 2022, increase the proportion of recycling bins receiving a pass mark as part of the recycling bin assessments to 90% across the region (based on the 2015-16 assessment pass rate of 81%).
- By 2022, reduce incidents of illegal dumping at hotspot sites by 25% across the region (upon first establishing baseline data from Council reports).
- By 2022, member Councils to be collecting and reporting a standardised set of data in relation to waste and resource recovery activities.

Achievements against these objectives, is discussed in Section 3.

THE STRATEGY'S FOUR GOALS ARE:

Waste diversion, Regional planning and efficiencies, Partnerships, and Community engagement

2 CHAIRPERSON'S REPORT

I have the pleasure in presenting the Cradle Coast Waste Management Group's Annual Report on behalf of the Group to member Councils. The report provides an overview of the Group's activities throughout the 2021-2022 financial year, to deliver on the objectives and actions of the 5 Year Strategic Plan for our region. The Group have actioned many projects this last year and I implore you to read through the full Annual Report to understand the activities that have been undertaken. These activities are funded via a voluntary levy on waste deposited to landfill which was set at \$5.50 per tonne.

Our four key focus areas as highlighted in the Strategic Plan for 2017-2022:

- waste diversion;
- regional planning and efficiencies;
- partnerships; and
- community engagement.

The report provides information to enable us to strategically prepare for the future, both within our region and at an individual council level. Tonnes of municipal waste landfilled, green waste mulched, kerbside recycling and cardboard recycling provide targets and trends should be at the forefront of our thinking, particularly as our Strategic Plan is centred around a major waste diversion target.

Diversion from landfill was a key strategy for the group who had a KPI of 50% diversion of waste from landfill by 2022. While we have made some headway in

reducing waste, our goal was hampered by delays in FOGO availability and rollout. The implementation of a state-wide waste levy and FOGO composting capability at Dulverton Waste Management (DWM) will incentivise increased diversion over the coming two to three years. Education, particularly of our youth, is an area where we have focused, with CCWVG contractors working with our schools and discussing waste issues with our students to enable a deeper understanding of the waste issues we currently face and to work with us to help minimise waste. We have also continued supporting the 'Rethink Waste Tasmania' website which has expanded to cover all 29 council areas along with the use of increased social media.

The next year will see the implementation of the first year of our new Strategic Plan and also the Statewide Waste Levy and the Container Refund Scheme (CRS). The levy and the CRS will help us in making an impact on reducing waste to landfill. This will be to the benefit of all Tasmanians and I am pleased to be able to say that we are having been working towards making the transition as seamless as possible.

I would like to sincerely thank the Cradle Coast Waste Management Group for their energy and focus in this important area, and also DWM for their expertise and dedication of skills to help us to move in the right direction for our communities.

I commend this report to you.

Sanda Ayton,
Chair

3 KEY PERFORMANCE INDICATOR ACHIEVEMENTS

3.1 ACHIEVE 50% DIVERSION OF MUNICIPAL SOLID WASTE BY 2022

Municipal Solid Waste refers to waste produced by households or collected by, or on behalf of, a municipal Council. Included waste is from:

- Kerbside collection – private and commercial
- Street sweeping
- Litter and dumping clean-ups
- Aquatic litter traps
- Municipal parks and gardens
- Street tree pruning
- Collected through Council operated waste transfer stations (includes commercial and industrial waste).

The MSW diversion target of 50% was founded on the expectation that a kerbside Food Organic Garden Organic (FOGO) collection service would be implemented across the region by 2022, which would divert up to 20,000 tonnes of waste from landfill into composting.

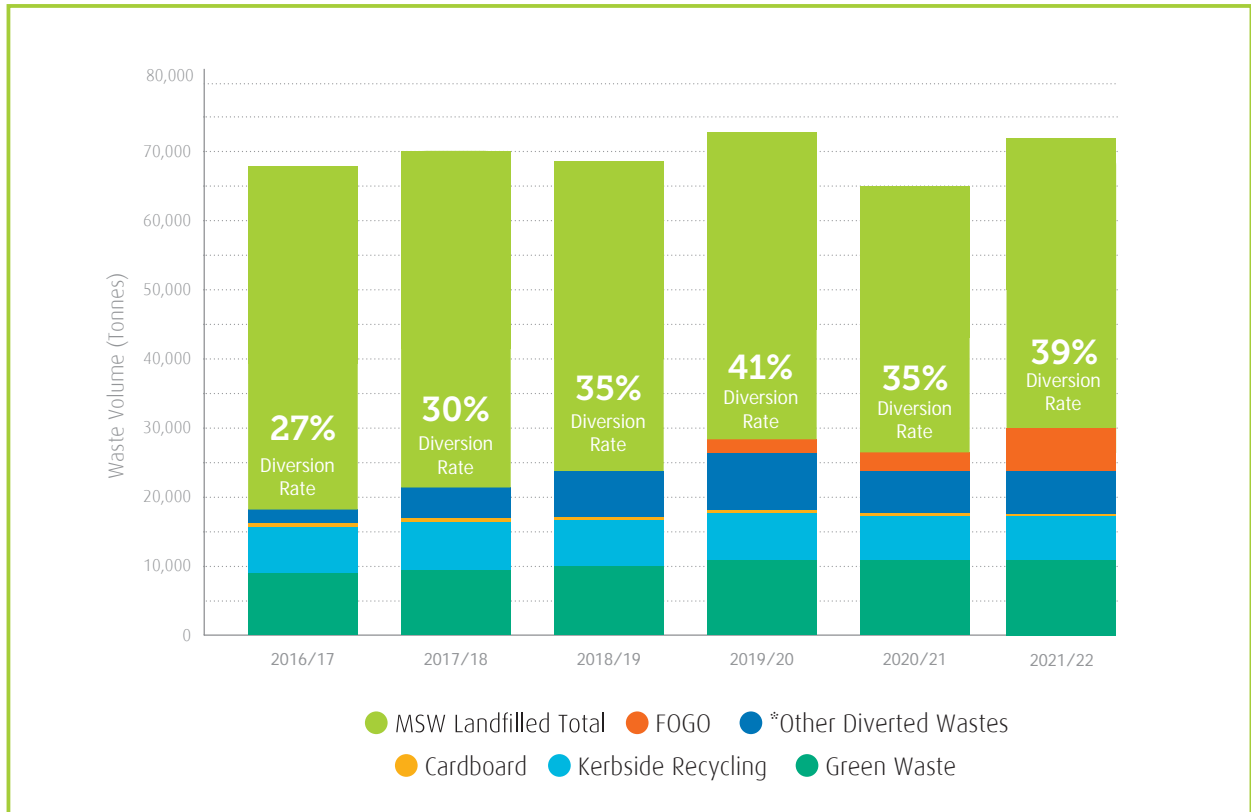
In October of 2019, Central Coast Council (CCC) implemented a FOGO collection which has been well received and made a significant contribution to the diversion of MSW landfill. In the 2021/22 year 2,930 tonnes of FOGO was collected from the CCC municipality. CCC FOGO collection represents 9.1% of diverted waste in the region. With an average of 5,316 bins collection each fortnight, each CCC household diverted over 550KG of waste over the year.

CCWMG and participating Councils support the diversion of a variety of products through collections areas at Waste Transfer Stations (WTS) and at Council chambers and similar access points.

Chart 1 displays the total tonnes of MSW landfilled by the region compared with the tonnes of waste diverted.



Chart 1 — Tonnes of Regional Municipal Waste, Landfill vs Diverted



** Other diverted wastes include the smaller scale recycling initiatives carried out by the regional transfer stations, including the recycling of steel, e-waste, tyres, fluoro tubes/globes, paint batteries, concrete, and oil.*

It is exciting to see an increase in diversion from 2020/21 to 2021/22 of approximately four percent. Programs available have not had significant changes in this period and it is likely this increase is due to better data capture and resident understanding of availability. CCWMG Data collection over the 2021/22 FY was the most reliable and most consistent seen and will have great value in creating a reliable base line for future efforts.

3.2 ACHIEVE 90% PASS RESULTS FOR RESIDENTIAL RECYCLING BIN ASSESSMENTS BY 2022

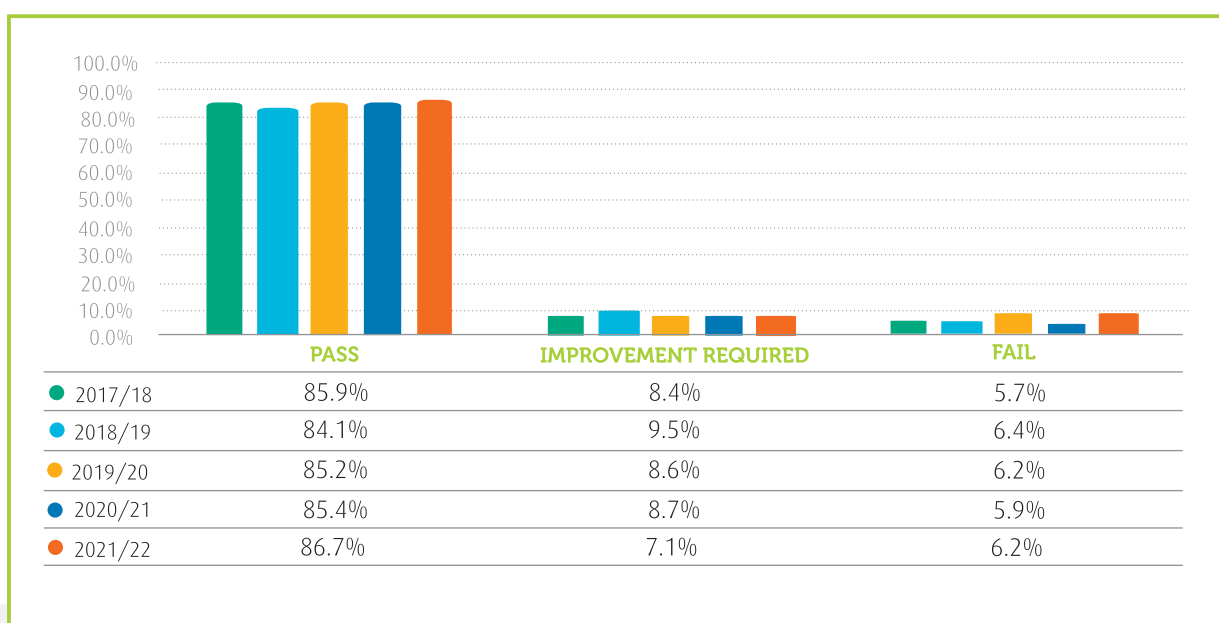
Recycling Bin Assessments Program has been an ongoing CCWMG project since 2012. The data collected provides CCWMG with insight into trends in pass and fail rates, presence of contamination and contamination types, municipal variations, bin contamination volume, performance of re-visited suburbs across multiple years, and effectiveness of communication campaigns.

In the 2021/22 program, the decision was made to remove multiple round assessments to enable providing feedback to the largest number of households possible within budgeting constraints. Several new areas for assessment were added and a schedule which balanced collections in rural and urban areas and from each municipality was achieved.

A total of 30 suburbs/areas were included in the assessment schedule with 4 from BCC, 5 from CCC, 2 from CHC, 7 from DCC, 2 from KC, 4 from LC and 6 from WWC. Across areas, a total of 6,981 properties were visited and 5,820 inspections performed (including units). This represents 4,418 fewer inspections compared to the previous financial year period. Due to budget constraints, the 2021/22 assessment period was only six weeks.

Chart 2 displays the regional results of the residential Recycling Bin Assessments over the last five years. This shows the region has consistently reached over 85%, however no significant improvements towards the 90% can be seen over the five year period. CCWMG are excited to see results which display the consistent value residents place on this service. It is hoped the results from these assessments, will continue to assist with communications planning and inform long-term behaviour change.

Chart 2 – Kerbside Recycling Bin Assessment Pass Rates by year



The 2021/22 Recycling Bin Education and Assessment Report recommendations included:

- Consider focussed education campaigns in areas which have received the lowest Pass rate and highest Fail results. This education should include a range of communications including; Multiple RBAP assessments, online, print and other face to face communications options.
- Consider conducting a review into the effect of fortnightly bin collections on recycling contamination and research opportunities to improve garbage collection for residents, such as; ability for residents to apply for an extra garbage bin or larger bin.
- Develop smaller KPI's to enable the program to be tailored to improve behaviour changes. For example: Areas with Fail rates of more than 10% to reduce to 5% within 3 years.
- Over 2022/23 year, CCWMG will consider how these recommendations can be incorporated into the program to improve the education focus.

3.3 REDUCE 25% OF ILLEGAL DUMPING INSTANCES IN HOTSPOTS BY 2022

The CCWMG Strategic Plan 2017-2022 highlights illegal dumping as one of four key focus areas, with the objective to reduce incidents at illegal dumping hotspot sites by 25% by 2022.

Unfortunately, a clear definition of a 'Hot Spot' was not detailed in the 2017-2022 Strategic Plan and a confirmation of how many existed in each municipality was not documented to create a base for data collection. It was anticipated that these would become evident in the data collection over time.

Although lacking in definition and measurement capability, the five Actions identified in the 2017-22 Strategic Plan have been effective in maintaining the regional focus on reduction of illegal dumping and assisted in working towards the overall goal of reducing illegal dumping in the region. Requests for CCWMG assistance through the illegal dumping grants project have reduced over time and strategies implemented have had a direct result on the areas affected.

Further details of the effectiveness of this program is detailed in the Illegal Dumping Report 2022.

3.4 COLLECT AND REPORT ON A STANDARDISED SET OF WASTE AND RESOURCE RECOVERY DATA

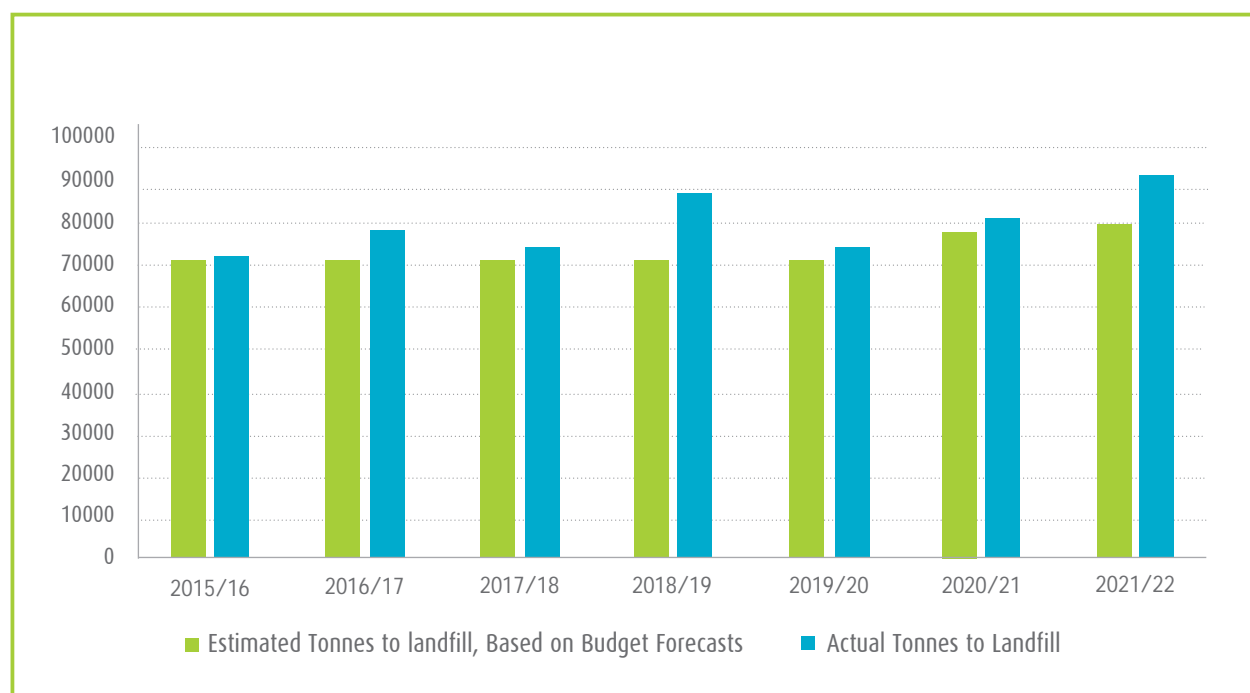
CCWMG developed a waste data collection portal to capture information for different waste streams collected at Council WTS and through CCWMG projects. Data captured in this portal has improved over the past few years with the 2021/22 data clearly indicating consistency of input from reporting entities. The improvement in data capture has indicated an increase in diversion activity.



4 REGIONAL WASTE TRENDS

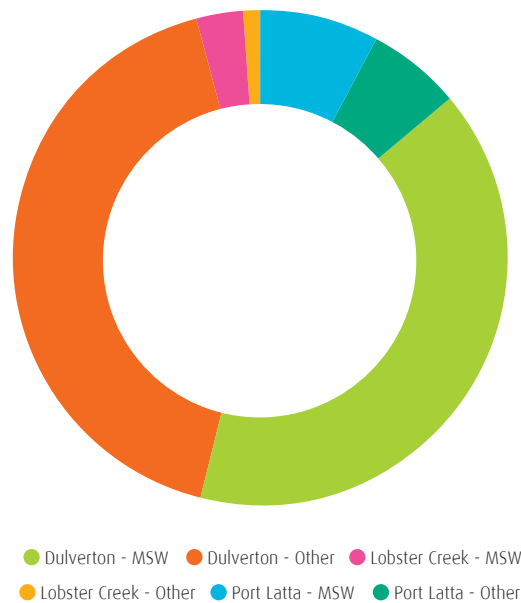
All waste disposed in the Dulverton, Lobster Creek and Port Latta Landfills was charged the voluntary waste levy. Funds received via this voluntary levy funds CCWMG initiatives. In 2021/22 the levy was charged at \$5.50 per tonne.

Chart 3 – Budgeted waste volumes vs actual landfill tonnages received



The total volume of landfill waste received by all three facilities for the 2021/22 Financial Year was 90,060 tonnes. This was a significant increase on projected estimates and mainly due to an increase in Construction and Demolition (C&D) disposals linked to increased developments in the State and in anticipation of the increased costs of disposal due to the State Levy introduced on July 1, 2022.

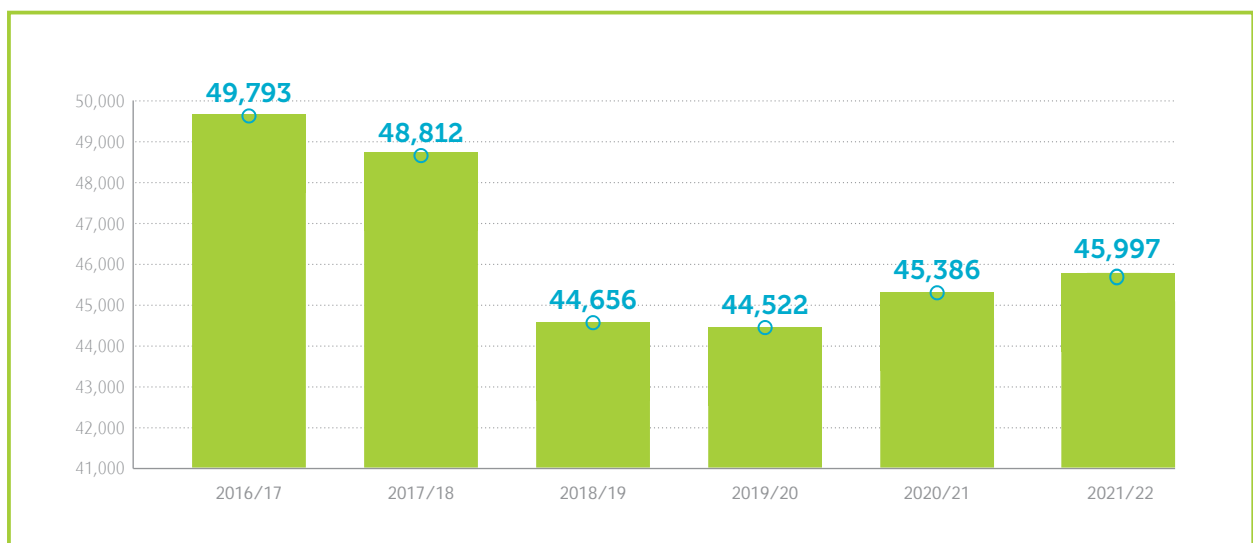
The proportion of total waste received by each landfill facility is displayed in Chart 5.

Chart 4 – Proportion of waste type by Landfill Facility

The total volume of Other Landfilled Waste received for 2021/22 was 44,063 tonnes, which is an increase of 28% from the previous year.

“Other” waste comes from commercial sources and has significant fluctuations from year to year. In the 2021/22 year, Dulverton received above projected disposals for controlled soils and other construction waste due to an increase of activity in this sector. Some of these disposals were also due to some projects being brought forward to reduce the financial impact from State levy introduction as of 2022/23 FY.

When planning CCWMG projects, the impact of unexpected special projects are difficult to project. As a result, CCWMG are able to bring forward projects from time to time or invest larger sums as the need arises.

Chart 5 – Total MSW tonnages to landfill by year

5 ACTIVITIES UNDERTAKEN FOR YEAR

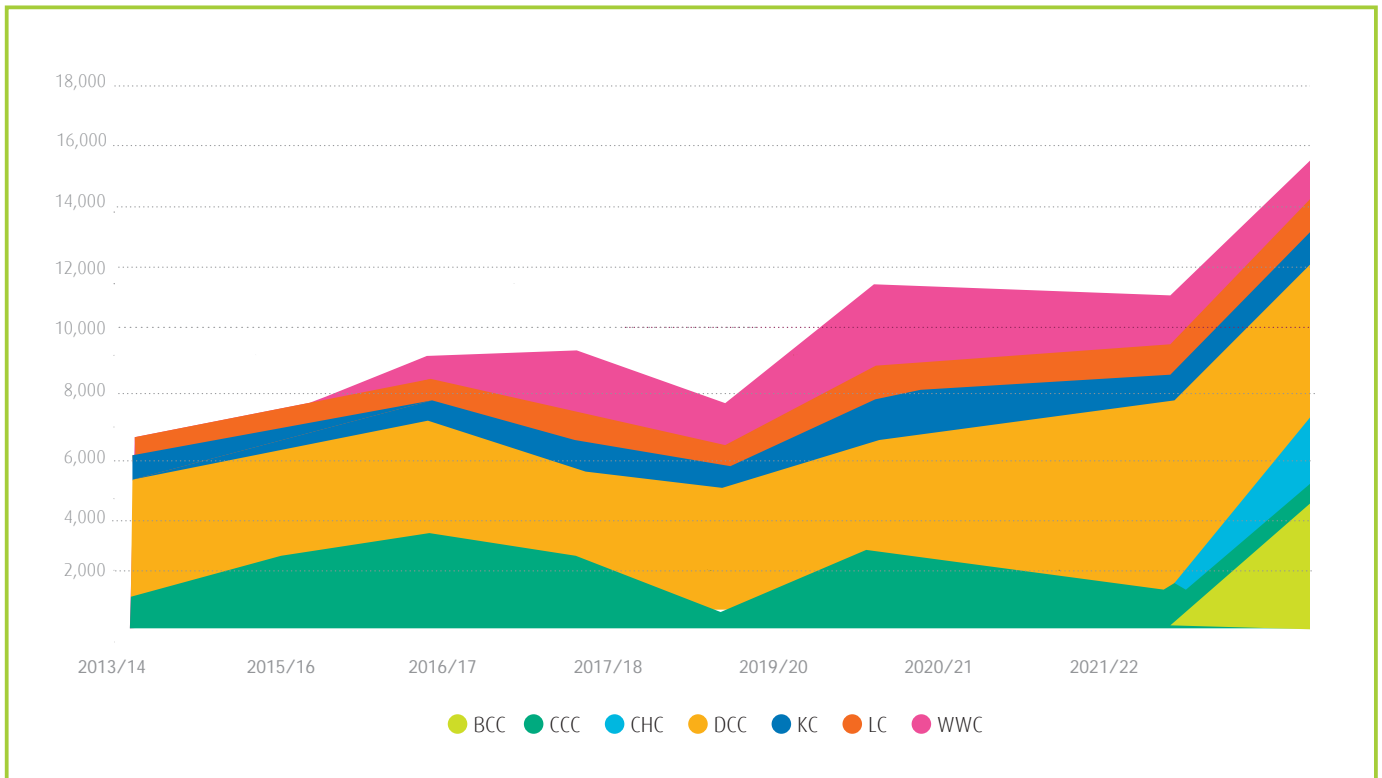
5.1 REGIONAL CONTRACTS

5.1.1 Mulching of Green Waste Contract

Residents and businesses are able to dispose of green waste at regional WTS, where it is stockpiled and then shredded into mulch under a CCWMG contract. The shredded mulch is transported to the DWM Organics Recycling Facility (DORF) for composting unless Councils have determined other uses for this product. This contract contributes 23% to the overall diversion to the region.

Note: The timing of when Green Waste is mulched can affect the quantities recorded in any given period.

Chart 6 – Tonnages of Green Waste received by Council, from 2016 - 2021



5.1.2 Regional Kerbside Recycling Contract

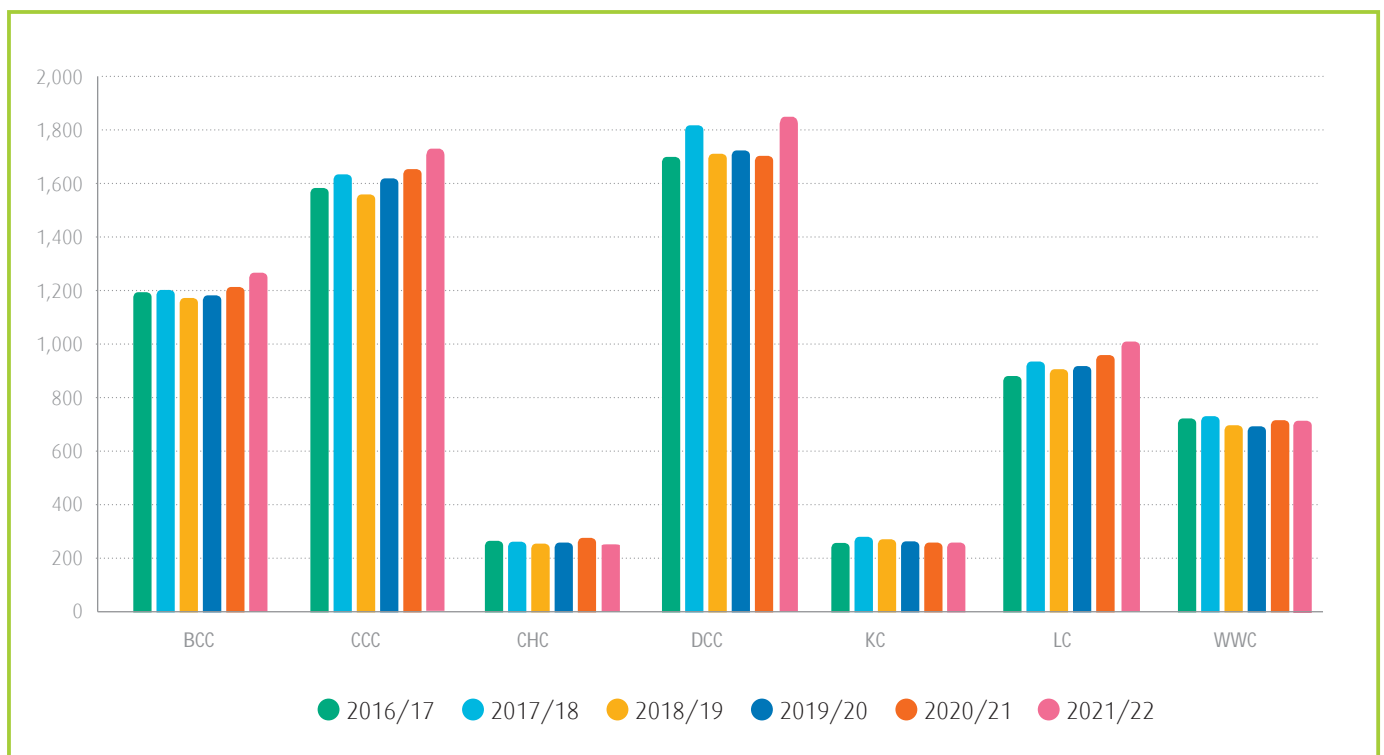
CCWMG manages the residential Kerbside Recycling Contract for the region. This service provides municipal residents with fortnightly mixed recycling collections.

These products are taken to a Material Recovery Facility (MRF) in Spreyton, sorted to remove unsuitable and contaminated products, and then sold to national and international processing facilities. Unsuitable products are redirected to landfill.

In 2021/22, a total of 6,933 tonnes of recyclable products were collected and put to better use. This is an increase on 2020/21 by 2.0%, which is an increase in diversion when compared to the landfill increase of 1%.

The total tonnage of kerbside recyclables by municipal area is detailed below.

Chart 7 – Total tonnages of Kerbside Recyclables collected by Municipal area



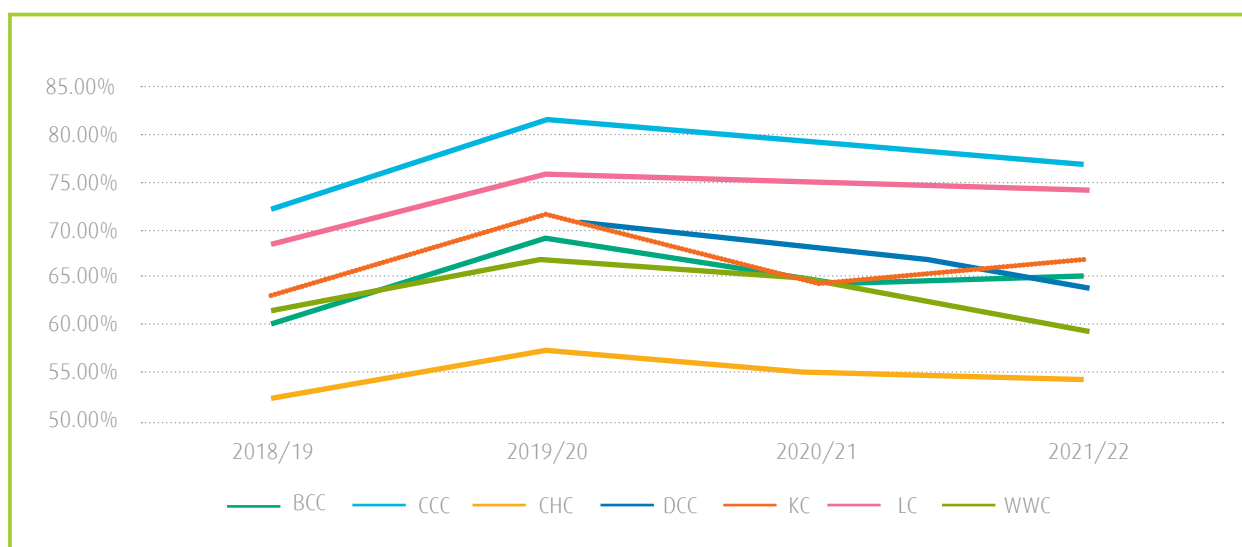
Recycling is collected from a total of 44,369 tenements. The average presentation rate (proportion of bins set out for collection) for the region in 2021/22 was 75% which is a significant increase on the 2020/21 average of 69%.

Table 1 – Break down of tenements, bin pickups and presentation rate by council area

Council	Total Number of Tenements Eligible for Collection	Average Bin Pickups per Month	Bin Presentation Rate
Burnie City Council	8,427	11,953	65%
Central Coast Council	9,000	15,468	77%
Circular Head Council	2,146	2,579	54%
Devonport City Council	12,080	17,735	64%
Kentish Council	1,808	2,603	67%
Latrobe Council	5,768	9,539	74%
Waratah-Wynyard Council	5,140	7,087	59%
TOTAL ALL COUNCILS	44,082	65,547	75%

Every month the quantity of tenements within the kerbside recycling collection service zone increases as new properties are built and subdivisions are developed. The total number of tenements is the number of properties recorded by Veolia as having access to a Kerbside Recycling Bin at the very last collection of the financial year.

Chart 8 – Average bin presentation rates by municipal area over time



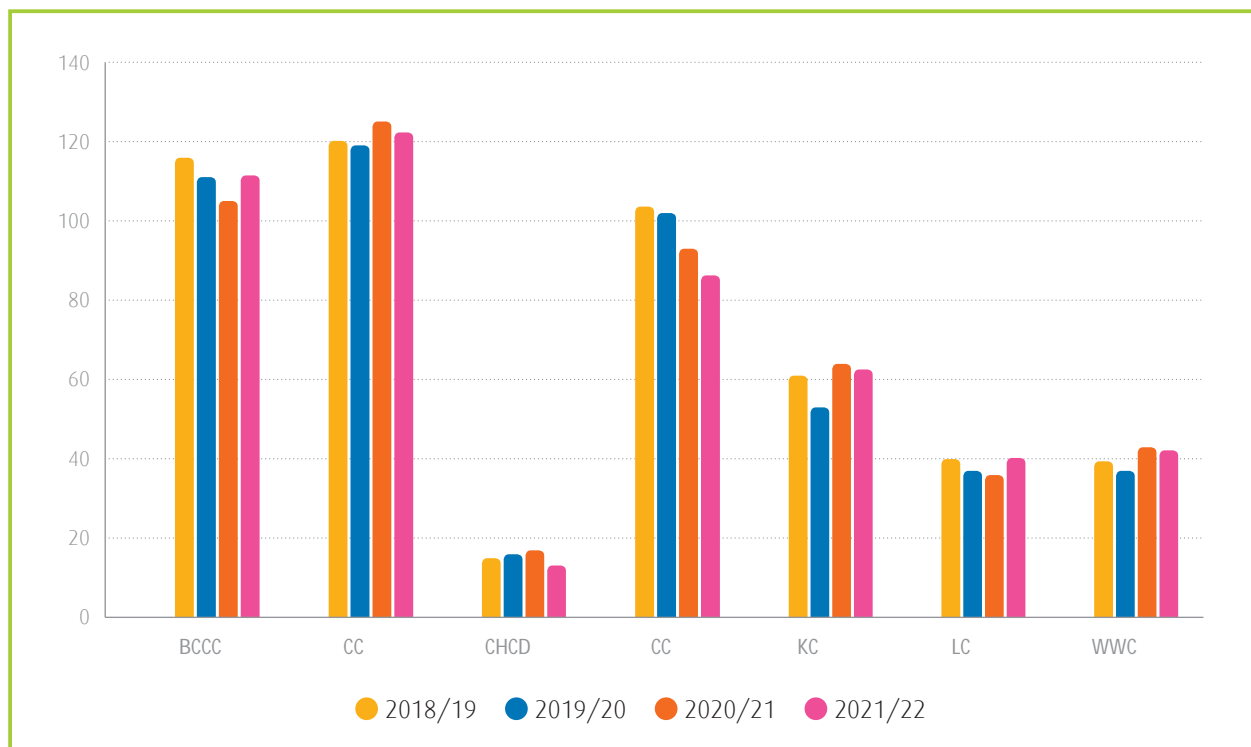
5.1.2 Regional Cardboard Collection and Recycling Contract

The Regional Cardboard Collection and Recycling Contract was established in 2015, with collection bins at participating Council WTS. The cardboard collected is sold as an important commodity throughout the world, and the average commodity price forms a discount from the cost of this service.

Over the last few years, cardboard collection has remained stable, fluctuating at close to 500 tonnes per annum.

The volume of cardboard collected from each municipal area over the last four years is shown below.

Chart 9 – Total Cardboard Tonnages Collected by Municipal area



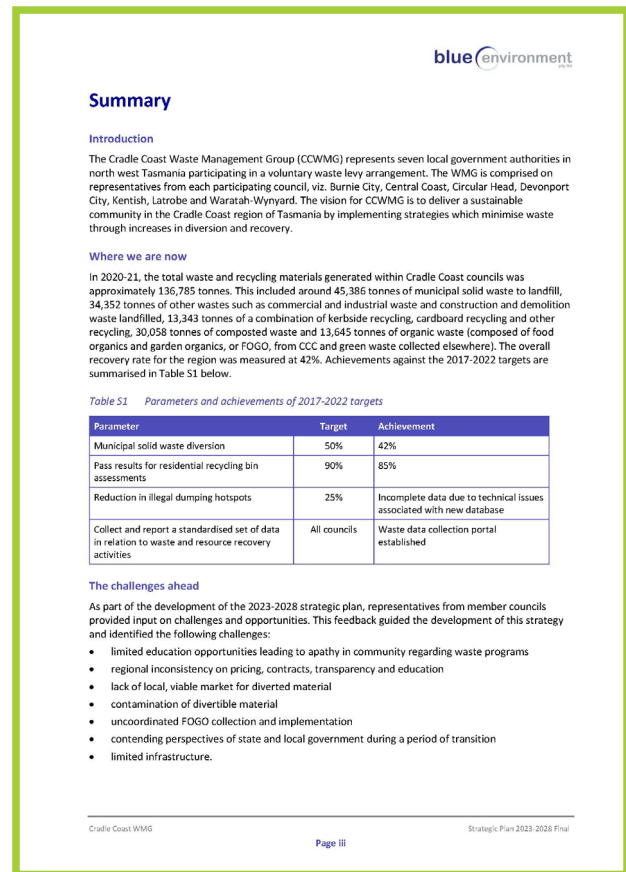
5.2 KEY PROJECTS

Over the 2021/22 year, CCWMG successfully completed some excellent projects to forward the waste diversion agenda in the region.

Some of these key projects are discussed in the following subsections:

- 5.2.1 CCWMG Strategic Plan 2023-2028
- 5.2.2 Education and Promotion
- 5.2.3 Schools Program
- 5.2.4 Landfill Waste Composition Audit
- 5.2.5 Waste Transfer Station Best Practice
- 5.2.6 Household Hazardous Waste Events

A full list of all projects undertaken by the CCWMG in 2021/22 is detailed in Section 9.



5.2.1 CCWMG Strategic Plan 2023-2028

Development of the new CCWMG Strategic Plan was completed over the 2021/22 year.

Officers from each Council assisted with developing priorities and considering opportunities for the future. The group was united on the effectiveness of regional contract management and service provision and have called on CCWMG to increase in the regional focus.

The Strategic Plan sets out four measurable and achievable goals in the form of key performance indicators which will allow the group and member councils to track their progress over the 5-year plan:

1. By 2028, establish regionally consistent practices for waste management in all member council areas for consistent waste contracts, services and best practice principles
2. By 2028, target 60% MSW resource recovery
3. By 2028, target <10% contamination rate in kerbside recycling bins (based on annual kerbside recycling auditing)
4. By 2028, phase out priority single-use plastics.

Progress against these indicators will be measured using data provided by member Councils, or collected during specific project work, and reported to the group on a regular basis.

5.2.2 Education & Promotion

CCWMG continues to support Rethink Waste Tasmania, the Tasmanian Waste Management Communications brand. This program is run as a joint service between the three regional waste groups; CCWMG, Northern Tasmania Waste Management Group (NTWMG) and Southern Tasmania Waste Management Group (STWMG).

Due to financial assistance provided by the State Government through a Grant initiative, Rethink Waste Tasmania was able to make a larger impact than in previous years.

KEY ACHIEVEMENTS

- Increase in number of waste hierarchy statewide campaigns from 1 to 3.
- Editorial coverage in 26 publications or broadcast outlets (up from 5 in the year prior).
- 2,347 active users of the Rethink Waste Tasmania website in an average month.
- Additional 4,222 content downloads from Rethink Waste Tasmania website compared to 2020/21.
- Unique page views on the Rethink Waste Tasmania website grew by 7.59% from 48,803 views in 2020/21 to 52,506 in 2021/22.
- Average monthly reach on social media grew from 12,948 to 27,579 people with average engagement growing from 2,528 to 3,342 over the project plan period. Additional 1,137 followers added bringing the total to 5,430 at end June 2022.
- Responsiveness score of 90%+ maintained on Facebook messenger for the plan period.
- Growth in number of Youtube channel videos from 14 to 33.
- Rethink Waste Tasmania website content expansion to cover all 29 council areas.



RECYCLING RESPONSIBILITIES

Federal Government Waste Policy Action Plan and State Government Waste Action Plan influence packaging, waste laws and funding programs.



5.2.3 SCHOOLS PROGRAM

CCWMG established a schools program in 2019. The Schools Program provides interactive workshops educating Primary School aged students on environmental impact and circular economy principles. The goal of the program is to visit each School on the region every two years, delivering age appropriate and engaging workshops with regional - specific waste and recycling information.

Over the past year, education officers have visited 18 schools, delivered 102 workshops and assisted with one waste audit.

Term 3, 2021 – 6 schools, 37 workshops, 1 waste audit

Term 4, 2021 – 1 school, 5 workshops

Term 1, 2022 – 2 schools, 7 workshops

Term 2, 2022 – 9 schools, 53 workshops

This program is very well received by the school community, with students extremely interested in the content and the presentation appropriate for the classroom.

Over the next few months, the education delivery team will be working to develop suitable content for Secondary students, enabling a deeper understanding of waste to be developed in the next generation.



5.2.4 LANDFILL WASTE COMPOSITION AUDIT

A Landfill Waste Composition Audit, including Bin composition was completed in January 2022. This involves assessment of loads to each landfill in the region to identify what materials are being disposed to landfill and how much has the potential for recycle or reuse.

The report identified 42.3% of waste disposed to landfill was potentially recoverable. This includes 10.1% Garden organics, 8.0% food organics, 4.0% paper and 3.6% cardboard.

Some key recommendations for CCWMG were:

- Focus on correct source separation in regional communications
- Conduct a cost benefit analysis on implementing a standardised bin system (colour and sizes) across the region
- Investigate methods to improve C&I recycling rates.

CCWMG will work to include these recommendations as actions to the new strategic plan are rolled out.



5.2.5 WASTE TRANSFER STATION BEST PRACTICE

CCWMG engaged MRA Consulting (MRA) to prepare an updated Transfer Station Best Practice Guidelines and to undertake site assessments of CCWMG WTS and RRC.

The Best Practice Guidelines set out practical recommendations for WTS site design, management, and planning. The guideline establishes best practice protocols and recommendations based on legislative requirements and case study comparisons. These elements can be reviewed for future or existing sites.

Best practice represents the current 'state of the art' and aims to produce sustainable outcomes consistent with the community's expectations. By aiming towards best practice principles, facility owners and operators can expect benefits such as:

- Improved environmental, financial, and operational performance
- Higher resource recovery efficiency and sustainable outcomes
- Improved occupational health and safety and environmental risk mitigation
- Higher levels of community acceptance and engagement with recycling practices; and
- Guidance on long-term business development.

MRA completed a complimentary report which assessed sites against the recommended guidelines. Several services for improvement were identified through this process, including training for WTS staff, site safety improvements and data recording consistency. CCWMG propose to use funds allocated in the budget over the next few years to assist Councils in actioning these concerns efficiently.





5.2.6 HOUSEHOLD HAZARDOUS WASTE EVENTS

Many hazardous chemicals are generally unable to be collected at WTS on a day-to-day basis due to safety requirements for storing the waste. A strategy for assisting residents in disposing of these wastes safely is to arrange for specialty collection events at pre-arranged times.

In 2020/21, CCWS arranged a Household Hazardous Waste weekend collection event with at four WTS locations across the region, with a total chemical collection of 1,332kg. Following this success, CCWMG included a further budget to deliver a second round of events in the 2021/22 year.

After discussions with the collection partner, a combination of weekday and weekend event times were selected, with each municipality visited at least once. These were arranged into clustered events for marketing efficiencies. Chemical amounts collected are detailed below:

Table 2 – Amount collected per municipality

Municipality	Collected 1 st Event	Collected 2 nd Event	Total Collected
BCC	386	250	636
CCC	231	251	482
CHC	296	276	572
DCC	110	121	231
KC		62	62
LC		83	83
WWC	748	111	859
TOTAL	1,771	1,154	2,925

The 2021/22 Household Hazardous Waste collections were very successful, more than doubling the 2020/21 amount collected totalling 2,925kg of chemicals diverted from landfill and backyard storage. Significant amounts of chemicals have been collected from retired primary producers in the region.

Resident feedback was positive and requests have been received that an on-going service would be beneficial. CCWMG have allocated annual funding for this project and are discussing options for permanent collection facilities with collection partners and how this could safely be achieved.

6 ACHIEVEMENTS AGAINST THE 5 YEAR STRATEGY

 Action Not Started
  Action on Hold
  Action in Progress
  Action Completed/Ongoing

NO.	ACTIONS	COMMENTS	
FOOD AND GARDEN ORGANICS			
1	Establish which member councils intend to participate in FOGO tender and appoint contractor where applicable.	FOGO has been implemented in CCC since 2019. Tender for whole of region FOGO collection was completed in 2021/22 for commencement in 2023/24.	
2	Where applicable, work in partnership with successful FOGO tenderer and member councils to implement communications materials, bin rollout and collection services to best practice standards for recovered organics.	Best practice standards were included in the Tender assessment. Communications program will be designed in the 2022/23 year.	
3	Develop and secure markets for reprocessed organics products in the agricultural or land rehabilitation sectors. Facilitate trials where necessary and utilise results in market development activities.	Currently DWM compost demand exceeds supply. DWM have identified additional markets for future supply should output increase.	
4	Support the development of a Tasmanian organics strategy.	CCWMG representatives attend industry consultation and assist Government decision making in relevant areas of waste management.	
ILLEGAL DUMPING AND LITTER			
5	Facilitate liaison between member councils, the regional group and relevant Tasmanian Government departments responsible for managing illegal dumping incidents by establishing an illegal dumping working group.	The EPA have created an Illegal dumping database and CCWMG support initiatives in this area.	
6	Using data obtained from the Illegal Dumping Web Database, produce an annual report to be disseminated amongst member councils in order to provide a measurable evidence base to group members.	A report on the regional illegal dumping database is provided to the CCWMG annually.	
7	Call for annual applications from member councils for funding of projects to address illegal dumping (e.g. clean-up of hotspots, installation of signage/CCTV). Establish process for determination of successful applications, distribution of funding, reporting requirements and measurement of outcomes.	Illegal dumping grants have been offered to CCWMG councils each year.	
8	Use the Keep Australia Beautiful (2016) Litter Toolkit to build a litter reduction campaign to be rolled out across the region.	Keep Australia Beautiful Litter Toolkit is included in the Tasmanian Waste Education Strategy.	
9	Provide evidence-based input to any further discussions regarding the introduction of container deposit legislation in Tasmania.	The Container Refund Scheme legislation was passed in March 2022. This program is in the process of supplier selection.	
INFRASTRUCTURE			
10	Continue work to establish a standardised set of data collection parameters and ensure all councils are reporting data to the waste data collection portal according to the standard (including material categories, units and frequency of reporting). Monitor and audit data inputs into the centralised waste data collection portal.	The regional data collection portal was implemented in 2017/18 and quarterly reporting to the CCWMG is ongoing.	

NO. ACTIONS

COMMENTS

11	Conduct a recycling activity survey in order to establish the size of the recycling and reprocessor network, measure the quantity of materials managed throughout the network, establish the flow of materials between member councils and other regions and identify opportunities for network expansion or rationalisation. This could be conducted in conjunction with other regional groups in order to build a picture of the resource recovery network in Tasmania.	In 2018 a Recycling Activity Survey was complete and a master spreadsheet developed housing the collected information.	◆
12	Conduct an assessment of the region's tip-shop network. Develop standardised guidelines for tip-shops which define material diversion, stock and inventory control, material storage requirements, etc.	No action completed on this. The new strategic plan has not identified this as a priority for the group.	●
13	Internally review progress of actions recommended by the resource recovery centre/transfer station assessment (conducted in 2014) in order to bring facilities up to best practice standards. Subject to member council agreement, provide funds to member councils for facility upgrades.	Best practice grants have been offered to councils each year to assist in improving WTS. A review of the standard and audit of WTS was completed in 2021/22 with clear actions for CCWMG to continue this work.	◆
14	Investigate options for accepting additional materials at council resource recovery centres/transfer stations, including requirements for collection infrastructure, potential on-site reprocessing opportunities and material markets.	CCWMG regularly review opportunities for new waste diversion streams. This has resulted in the implementation of Fluoro globe, batteries, paint, e-waste and cardboard collections at WTS and Council offices.	◆
15	Explore community-based recycling initiatives with local community groups in order to identify feasible materials for collection and diversion. Where feasible, consider funding assistance to community groups to implement services (e.g. transport vehicles, temporary storage facilities, compactors, communications).	In 2019, community groups were given the opportunity to apply for funding to implement waste collection and diversion initiatives. Funding was awarded to 4 community groups across the region. As Federal stewardship schemes have taken the lead in this area and community organisations have more assistance with initiatives.	◆
SERVICES			
16	Continue to undertake annual residential recycling bin assessments and contamination education across the region.	Bin assessments have shown increased conformity to bin acceptance requirements. A refresh of this service is in process.	◆
17	In conjunction with NTWMG, continue to conduct landfill and kerbside waste composition audits.	2018 – A landfill audit was conducted for CCWMG 2019 – A WTS audit was conducted for CCWMG 2022 ± A landfill composition audit was conducted across the region.	◆
HAZARDOUS WASTE			
18	Provide for collection and management of household batteries across the region (including advertising, bins, collection services, transport and disposal). Measure and evaluate the collection's performance.	Household batteries are collected at Councils and WTS. These are being utilised consistently by residents. The data is given to CCWMG members on a quarterly basis.	◆
19	Hold a household hazardous waste collection event. Event actions will include advertising, establishing a waste management contractor (via tender process), determining program and location(s), measurement and reporting framework.	Several collection events were held over 2021 and 2022. An annual service will be provided ongoing.	◆
20	Continue to monitor member council e-waste schemes and opportunities to provide an economical service in the region.	E-Waste collections are available in all WTS.	◆
21	Work with EPA Tasmania as required to implement the hazardous waste tracking system.	CCWMG representatives attend industry consultation and assist Government decision making in relevant areas of waste management.	◆
22	Liaise with EPA/other regions on investigations into hazardous waste stockpiles and disposal points in the CCWMG region.	CCWMG hold regular hazardous waste collections throughout the region. Government set detailed waste reporting guidelines with the roll out of the landfill levy at July 2022.	◆
TYRES			
23	Support the development of a tyre recycling site at Longford.	Longford tyre collection has been discontinued. CCWMG support councils through a tyre recycling subsidy and collection.	◆
24	Work with EPA and other regional groups to investigate end users for end-of-life tyres.	The 2022 Tasmanian Government Budget includes \$3M towards building a tyre recycling facility in Tasmania.	◆
25	Disseminate and support the state-wide tyre management strategy when released by EPA.	CCWMG representatives attend industry consultation and support Government decision making in relevant areas of waste management. CCWMG works as a communications conduit between Councils and Government.	◆

NO. ACTIONS		COMMENTS
C&D AND C&I RECOVERY		
26	Work with the EPA to develop and align strategies to divert C&D and C&I materials from landfill. Investigate funding opportunities as they arise.	CCWMG support the Tasmanian Waste Education group who have joined the Master Builders Association. A building waste audit was conducted in 2021/22, which identifies several areas for improvement. Continuation of this work is planned for in future CCWMG budgets and in the new strategic plan.
27	Conduct a review of C&I waste in the region to build on previous reviews conducted for C&D waste. Include consultation with key industries and identification of synergies with C&D waste processing and disposal.	
28	In conjunction with member councils, investigate the options for expanding residential recycling collections to cover C&I customers.	
REGIONAL GOVERNANCE ARRANGEMENTS		
29	Develop and document a governance framework which stipulates the roles, responsibilities and expectations of CCWMG member councils.	An independent consultant was appointed to work with the CCWMG and member Councils to determine the most appropriate governance model. The CCWMG is now governed by member Councils General Managers and project management is undertaken by CCWS.
30	Create a role within CCWMG to manage stakeholder group member engagement. The role should be part-time for a minimum of one year and be at an experienced/senior level.	
COLLABORATIVE ARRANGEMENTS BETWEEN COUNCILS		
31	Continue to identify opportunities for collaborative resourcing by investigating current contractual arrangements in each council.	The changes in CCWMG governance has improved communications between member councils, CCWS staff and WTS staff. CCWMG councils are given the opportunity to raise concerns at CCWMG meetings.
32	Investigate and facilitate human resource sharing between member councils.	
33	Establish a platform for councils to share information with regards to their current projects and outcomes of previous projects (e.g. as an agenda item at CCWMG meetings).	
BUILDING REGIONAL CONSISTENCY		
34	Review member council landfill and resource recovery centre/transfer station charges and services offered and investigate barriers to implementing total cost recovery pricing.	Report on resource recovery centre/transfer station charges was completed in June 2022. The State Government is developing recommendations for long-term local government changes. CCWMG will not pursue further action until this review is complete.
WORKING WITH THE TASMANIAN GOVERNMENT		
35	Establish a framework for cooperation and collaboration between state government, waste management groups and local councils to influence policy and strategy documents, highlight current issues impacting on waste management in the region and contribute to and support government policy on emerging waste issues.	CCWMG has a well established cooperative relationship with relevant State department and key personnel. The new state landfill levy has caused increased collaborations between state departments and waste management groups.
36	Maintain key dialogue and build contacts with state government agencies. Encourage EPA to attend CCWMG meetings.	
37	Highlight current waste management issues to state government on an as needed basis as raised by member councils.	
38	Provide assistance and advice to state government on emerging waste issues.	
39	Identify funding options from various Tasmanian Government departments, not just those responsible for waste or environment issues.	CCWMG assist Councils in accessing funding opportunities as they are made available. For example: Councils accessed funding for compliance and reporting systems in relation to the landfill levy in 2022.
WORKING WITH INDUSTRY		
40	Establish a framework for cooperation and collaboration between state government, waste management groups and industry to facilitate improvements to C&I and C&D waste management and resource recovery.	CCWMG has a well established cooperative relationship with relevant State department and key personnel. The new state landfill levy has caused increased collaborations between state departments and waste management groups
41	Facilitate a regional industry workshop/forum to encourage innovation and sharing of waste and resource management practices.	The new CCWMG strategic plan was developed with input from representatives of the member Councils. CCWMG has developed relationships with local waste management suppliers and attends regular networking events.

NO. ACTIONS**COMMENTS**

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| 42 | Maintain key dialogue and build contacts with industry sectors. | CCWMG has developed relationships with local waste management suppliers and attends regular networking events including Master Builders Association. | ◆ |
| 43 | Support the development of a Tasmanian recycling market development strategy. | CCWMG has a well established cooperative relationship with relevant State department and key personnel. The new state landfill levy has caused increased collaborations between state departments and waste management groups. | ◆ |

COLLABORATING WITH OTHER REGIONS

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| 44 | Pending state government regional group coordination, establish a direct link between other regional groups (which may involve quarterly/six monthly meetings, etc.) to continue collaboration. | Key Project Officers from each of the waste groups regularly meet to discuss waste communications and other upcoming projects as necessary. CCWMG has a well established cooperative relationship with relevant State department and key personnel. The new state landfill levy has caused increased collaborations between state departments and waste management groups. | ◆ |
| 45 | Conduct a mid-term strategy review to consider linkages between regional strategies and funding requirements. | The new state landfill levy has caused increased collaborations between state departments and waste management groups. | ◆ |

COMMUNITY EDUCATION

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| 46 | Develop a regional or cross regional communications and education plan with input from member councils, including for FOGO service, other kerbside services, illegal dumping, e-waste recycling and other waste initiatives as appropriate. | Rethink Waste is funded by the three Waste Groups in an ongoing arrangement. Due to the quality of the service, additional financial support was received from the State Government for the 2021/22 year. A new Strategic Plan is to be developed in the 2022/23 FY. | ◆ |
| 47 | Develop communication materials that promote CCWMG, the Rethink Waste website and brand and correct waste and recycling practices using media releases, TV, radio and newspaper advertising, promotional materials (e.g. bags, pens, caps), fact sheets and social media (e.g. YouTube, Facebook, Twitter). Where possible, activities to be jointly undertaken with the NTWMG. | | ◆ |
| 48 | Continue to support the Rethink Waste Schools Program. Establish a program for visits to schools in the region to conduct waste education programs. | A schools education plan was established in 2019. This is ongoing. | ◆ |
| 49 | Coordinate with member councils and other regions to provide consistent updates to the Rethinkwaste.com.au website. | This is included in the Tasmanian Waste Communication Strategy. | ◆ |

RAISING AWARENESS

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| 50 | Provide regular briefings to Cradle Coast Authority member councils (to be disseminated throughout each), in order to build group awareness. This could be done through scheduled group meetings. | CCWMG meeting minutes are disseminated to member councils. The new governance structure enables CCWMG GM's to transfer knowledge to Councillors and staff. | ◆ |
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PUBLIC EVENTS

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| 51 | Research and maintain a calendar of public events (such as local shows, market days, etc.) which would be appropriate to host an education session/stall/booth. Attend two public events per year. | A Public Events service provider was established in 2019. This service continues to evolve to deliver best value and educational reach. | ◆ |
| 52 | Conduct community consultation forums when introducing new programs or services (as appropriate). | Community consultation occurs on an as needed basis. | ◆ |

7 FINANCIAL STATEMENTS

Table 3 – Cash Flow Summary

Table 3 details the CCWMG Waste Levy Account opening and closing balance as at 30/06/2022.

2021/22 CASH FLOW SUMMARY Regional Waste Management Levy	
Opening Balance 30/06/2021	\$399,003
Levy funds received 01/07/2021 to 30/06/2022	\$451,154
Expense Recovery Income	\$40,934
Interest	\$693
Rethink Waste Grant Payments	\$95,000
GST Balancing	(2,567)
Total Cash Inflow During 2021/22	\$984,217
Annual Plan & Budget Project Expenditure	\$663,225
Total Cash Outflow During 2021/22	\$663,225
Closing CCWMG Waste Levy Account balance 30/06/2022	\$320,992

Table 4 – 2021/22 Profit and Loss

Table 4 details the CCWMG profit and loss for 2021/22.

2021/22 PROFIT AND LOSS Regional Waste Management Levy	
Waste Levy Income for period 01/07/2021 to 30/06/2022	\$508,581
Expense Recovery Income	\$101,370
Interest	\$569
Total Income for 2021/22	\$610,519
2019/20 Annual Plan & Budget Project Expenditure	-\$573,965
Total Expenditure for 2021/22	-\$573,965
Net Profit (Loss) as at 30/06/2022	36,554

8 SUMMARY

Financial Year 2021/22 was the final year for CCWMG to meet the goals of the 2017-2022 Strategic Plan. Of the four goals, CCWMG was successful in developing data collection system, which continue to be improved.

The goal of 50% diversion was hampered by delays in FOGO availability and roll out, however, the region continues to improve in diversion activities, increasing recycling volumes and options over time. CCWMG continues to pursue diversion increases through regional efficiencies and this remains a focus in the new Strategic Plan with targets of 60% recovery and planned phase outs of single-use plastics by 2028.

The regional recycling bin assessments goal of a 90% pass rate remains in the 2028 Strategic Plan and the 2022 report highlighted some additional activities which can be used to improve behaviour change in this area.

Illegal dumping collaboration with State officials in the region does not remain a priority however, will continue to be monitored

Achievements to the 2021/22 Actions

Ref #	Project Name	Action Summary	Achievements
ONGOING PROJECTS			
2.1	Illegal Dumping Database	Manage and annually report on the regional illegal dumping database	Annual report produced.
2.2	Illegal Dumping Funding	Conduct one round of illegal dumping funding.	Reduced requests for funding received and reduced repeat offenses
2.3	Recycling Bin Assessments	Undertake kerbside recycling bin assessments and contamination education across the region.	26.7% pass rate for 2021/22 assessment round
2.4	FOGO Education & Marketing	Undertake regional FOGO education and promotion as required.	Not proceeded with in 2021/22
2.5	Rethink Waste Website	Maintain and improve the Rethink Waste Website.	New website developed.
2.6	Education & Promotion – Year 5	Implement year 5 of the Tasmanian Waste Management Communications Plan.	State Government funding enabled significant extra reach for the 2021/22 period
2.7	Schools Program	Visit schools to provide waste education / presentations.	Visited 18 schools and delivered 102 workshops
2.8	Public Events	Host an education stall at 2 public events and/or hold a free Repair Café event.	Attended Ecofest and visited Men's sheds
2.9	Sponsorship	Funding allocation for sponsorship of local community groups, individuals or events.	No sponsorship requests were received
2.10	Household Battery Recycling	Fund a free household battery recycling program.	3.37 tonnes of batteries collected
2.11	Fluoro Tube & Globe Recycling	Fund a free fluoro tube and globe recycling program.	86kg of globes and tubes collected
2.12	E-waste Recycling	Fund a free e-waste recycling program.	75.76 tonnes of E-waste collected
2.13	Paint Recycling	Participate in the Paintback funded paint recycling program.	45.96 tonnes of paint collected
2.14	Tyre Subsidy	Provide a \$2/tyre subsidy for tyre recycling (up to 500 tyres per Council).	2,500 tonnes of tyres collected

ONE-OFF PROJECTS

3.1	Regional Transfer Station & Resource Recovery Centre Improvements	Assist in bringing WTS facilities up to best practice standards and/or prepare for the introduction of the state-wide waste levy.	Annual report produced.
3.2	Household Hazardous Waste Event	Conduct household hazardous waste collection event(s) for the region.	Reduced requests for funding received and reduced repeat offenses
3.3	Landfill Waste Composition Audit	Undertake waste composition audits at Council owned landfills (or WTS) to determine target	26.7% pass rate for 2021/22 assessment round
3.4	Public Place Recycling Bin Subsidy	Provide a subsidy to CCWMG Councils to install public place waste and recycling bins.	Not proceeded with in 2021/22
3.5	Kerbside Recycling Contract	Tender for the regional co-mingled kerbside recycling collection and processing contract.	New website developed.
3.6	Strategic Plan Development	Develop a new five year Strategic Plan.	State Government funding enabled significant extra reach for the 2021/22 period

NEW UNPLANNED PROJECTS

FOGO MSW Projection Research and Reporting	Support Council decision making on FOGO through projections of tonnages	Utilising data from the Landfill Composition report, FOGO projections were delivered to Councils.
Waste Services Cost Review	Compare Waste charges across Councils	Report delivered to Councils detailing rates and Waste Transfer Pricing across the region.
Waste Transfer Station Guidelines and Actions review	Update the Waste Transfer station Best Practice Guidelines and Assessments	New WTS/ RRC guidelines were developed and assessments completed.





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