



Town of Cottesloe



# Town of Cottesloe

## Waste Plan

2020 – 2025

## Contents

<b>Introduction</b> .....	2
<b>Strategic context</b> .....	2
<b>Background</b> .....	3
<b>Current Situation</b> .....	3
<b>Current Waste Management</b> .....	5
<b>A low waste future</b> .....	6
<b>Waste Management Action Plan</b> .....	8

## Introduction

Local Governments have an important contribution to make to the State Government's *Waste Avoidance and Resource Recovery Strategy 2030* targets for Western Australia. Local Government waste plans provide a link between the State Government waste strategy and local waste management activities. Local Governments determine the most appropriate waste management solutions for their communities and must demonstrate how these waste services align with the State's objectives and targets.

The purpose of a local waste plan is to:

- Align Local Government waste management activities with the State Waste Strategy;
- Map current performance and establish a benchmark to achieve Waste Strategy targets;
- Monitor progress on local government achievement of Waste Strategy targets; and
- Design programs and activities which will support the implementation of waste plans.

## Strategic context

The Town of Cottesloe Waste Plan 2020-2025 allows for council and community to track the Town's progress in delivering its environmental objectives and implementation actions.



Figure 1: Strategic Context for the Waste Plan 2020-2025

## Background

All Local Governments in the Perth and Peel region and major regional centres that provide waste services, are required to develop waste plans for the 2020-21 financial year, and perform their functions in respect of waste management in accordance with their waste plans.

This waste plan guides the Town of Cottesloe in sustainable waste and recycling practices. Our aim is to establish and maintain consistent, cost effective and functional waste management practices to reduce waste to landfill. This is driven by the following targets set in the State Government's *Waste Avoidance and Resource Recovery Strategy 2030*.

### By 2025

- Introduce a food organics garden organics (FOGO) system;
- Reduce household waste by 5 per cent per capita; and
- Increase recovery of materials from household waste to 67% across the Perth and Peel regions.

### By 2030

- Reduce household waste by 10 per cent per capita; and
- Increase recovery of materials from household waste to 70% across the Perth and Peel regions.

The Town of Cottesloe is working towards a vision for Western Australia to become a sustainable low-waste circular economy in which human health and the environment are protected from the impacts of waste. The three target areas driving the Town's waste management actions are:

- **Avoid**  
Western Australians generate less waste
- **Recover**  
Western Australians recover more value and resources from waste
- **Protect**  
Western Australians protect the environment by managing waste responsibly

## Current Situation

Every year, Local Governments are required to report to the Department of Water and Environmental Regulation (DWER) via the Local Government Waste Management Census.

Note: the DWER has not yet published Local Government Waste Census Data for the 2018/19 or 2019/20 financial years.

Recovery rate	2014/15	2015/16	2016/17	2017/18	2018/19
Town of Cottesloe	44%	48%	43%	44%	46%
Average Perth and Peel	36%	38%	40%	41%	no data
Waste strategy target	65%	65%	65%	65%	65%

Table 1: Percentage of waste diverted from landfill for all collection services

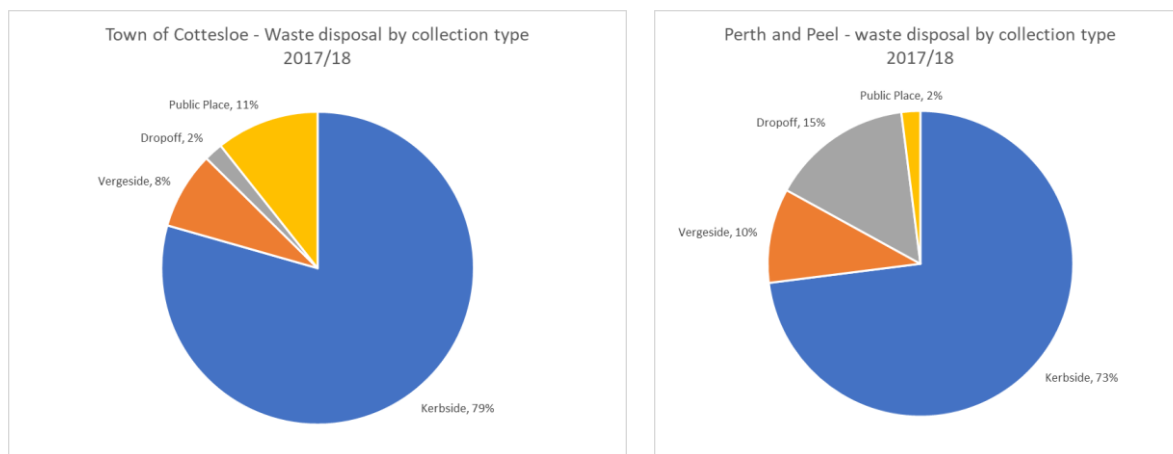


Figure 2: Town of Cottesloe showing service type and waste collected

**Key:**

**Kerbside:** household general waste (greenwaste if appropriate) and recycling collections

**Vergeside:** bulk and green waste verge collections

**Drop off:** waste or recycling dropped off by residents at the West Metro Recycling Centre

**Public place:** street and park litter bins [data may not be collected separately]

	2014/15		2015/16		2016/17		2017/18		2018/19	
Tonnes	Collected	Landfilled	Collected	Landfilled	Collected	Landfilled	Collected	Landfilled	Collected	Landfilled
General Waste	1401	1310	1440	1214	2062	2062	1835	1827	1743	1743
Recycling	1128	183	1165	178	1560	60	1391	186	970	194
Garden Organics bin	717	177	767	12	965	48	476	0	939	0
Verge Green waste	211	0	224	0	208	0	160	0	97	0
Verge bulk waste	253	253	170	162	120	115	212	41	233	54
Public place/special event	348	348	358	358	1206	1206	497	497	355	355
All Services total	<b>4058</b>	<b>2271</b>	<b>4124</b>	<b>1924</b>	<b>6121</b>	<b>3491</b>	<b>4571</b>	<b>2551</b>	<b>4337</b>	<b>2346</b>

Table 2: Summary of Town of Cottesloe's waste service collection data 2014/15-2018/19

The above data shows the breakdown of the different service types and the amount of waste generated through each waste stream.

The first section of the table compares the Town of Cottesloe's kerbside and verge side collection data from 2014/15 through to 2018/19. The data is presented in tonnes.

The Town of Cottesloe moved to a three bin system with weekly general kerbside, fortnightly recycling collection and a fortnightly garden organics waste collection in 2014/15. Until recently the Town of Cottesloe collected verge side waste twice per year for both bulk and green waste.

From July 2020 the Town has moved to a trial of the WMRC's Verge Valet pre-booked bulk and green waste service.

## Waste Generation

The Town of Cottesloe has an average waste generation rate, per capita taking into account both kerbside and verge side collections of:

	2014/15	2015/16	2016/17	2017/18	2018/19
Waste Generation per head (kg)	491	509	752	558	526

Table 3: Town of Cottesloe's waste generation (kerbside and vergeside)

## Current Waste Management

The Town of Cottesloe is a member of the Western Metropolitan Regional Council (WMRC). The WMRC is made up of five member councils being; City of Subiaco, Town of Cottesloe, Town of Claremont, Town of Mosman Park and the Shire of Peppermint Grove. The WMRC operates the West Metro Recycling Centre, waste education programs and helps the communities in Perth's western suburbs to manage and minimise waste.

### The Town of Cottesloe and the WMRC provide a variety of waste services:

#### Kerbside collection

- Weekly collection of 120 and 240 litre general waste bins;
- Fortnightly collection of 240 litre recycling collection; and
- Fortnightly collection of 240 litre garden organics collection.

#### Verge side collection

- Pre-booked bulk and green waste collection through Verge Valet.

#### Waste drop off services

- Convenient locations to drop off household batteries, fluorescent light globes, tubes and printer cartridges for recycling at the Cottesloe Civic Centre offices or Grove Library;
- Waste and recycling drop off at West Metro Recycling Centre, seven days a week, including; free recycling for cardboard, clothing, electronic waste, batteries, gas cylinders, mobile phones, motor oil, fluorescent globes, printer cartridges, scrap metal, polystyrene, X-rays and household hazardous waste (paints, pesticides, aerosols and flammables);
- disposal of appropriately wrapped asbestos-containing material;
- tyre and mattress recycling; and
- disposal of both bulk and green waste.

#### Community education, behaviour change and waste avoidance

- WMRC Recycling Hotline **9384 6711** where recycling questions are answered authoritatively;

- Through the WMRC the Town provides educational initiatives through the WMRC including the Waste Watchers program (workshops, tours, talks and events) to encourage residents to live with less waste;
- The Town works with the WMRC to provide information to residents about home waste management and the recycling system;
- The Town and WMRC works with event managers to encourage low waste generation at community events;and
- The Town, through WMRC is an active member of WALGA's consistent communications collective which aims to achieve consistent communication on waste management across Local Government areas.

### Littering and illegal dumping

- Littering and illegal dumping of waste can have serious environmental and economic effects, including reduced visual amenity, harm to wildlife and even bushfires. Littering and illegal dumping issues are addressed by promptly transporting waste to the West Metro Recycling Centre. The Town of Cottesloe and the WMRC provide ongoing education, support and compliance activities, to encourage positive waste behaviours and reduce littering and illegal dumping.

## A low waste future

### We're in this together

Managing waste and changing behaviour is something we need to do together. The State's environmental resources belong to all Western Australians and we all have a role to play in protecting them.

To be sustainable means to be a low-waste society. The Town of Cottesloe encourages a circular economy approach, where any waste that is generated is valued as a resource that can be reused or recycled for the benefit of the economy.

A circular economy also means we manage waste to protect the environment and it presents opportunities for increased local recycling activity. Local solutions create local jobs and minimise the costs and impacts of unnecessary transport.

As a community member, there are some things you can do to improve waste practices at home, at work and in the community:

#### Reduce

- avoid single use plastics
- use reusable coffee cups, water bottles and shopping bags

#### Reuse

- reuse or repurpose clothing textiles, linen, etc.
- compost food scraps and garden waste
- join your local Buy Nothing Facebook group

#### Recycle

- paper and cardboard
- plastics
- tins
- glass

- batteries
- old paint
- buy second hand
- buy recycled
- call the WMRC Recycle hotline for advice to help you recycle right

## Moving to FOGO

By 2025 the Town of Cottesloe must introduce a food organics garden organics (FOGO) system. FOGO will be part of a new three-bin waste system designed to divert waste, like food scraps and garden waste from landfill. FOGO waste is collected, processed and made into compost and mulch for use in parks and gardens.

Introducing the FOGO system in the Town of Cottesloe is expected to divert around 66 per cent of recoverable waste from landfill. This will help the Town of Cottesloe meet its general waste reduction targets and has other benefits, like reducing water use in our parks and gardens by using more mulch.

The FOGO system has been successful in a number of pilot programs across other Western Australian local governments.

Developed by Southern Metropolitan Regional Council, based on data from their member local governments.

Bin System	Resources recovered	Typical recovery rate
<b>Two-bin system</b> <ul style="list-style-type: none"> <li>• <b>Green bin</b> – general waste</li> <li>• <b>Yellow bin</b> – recycling</li> </ul> <b>PLUS:</b> Green verge collection and hard waste	<ul style="list-style-type: none"> <li>✓ Recyclables</li> <li>✓ Bulk verge waste</li> </ul>	33%
<b>Three-bin Garden Organics (GO) system</b> <ul style="list-style-type: none"> <li>• <b>Green bin</b> – garden waste</li> <li>• <b>Yellow bin</b> – recycling</li> <li>• <b>Red bin</b> – general waste</li> </ul> <b>PLUS:</b> Green verge collection and hard waste	<ul style="list-style-type: none"> <li>✓ Garden waste</li> <li>✓ Recyclables</li> <li>✓ Bulk verge waste</li> </ul>	48%
<b>Three-bin Food Organics Garden Organics (FOGO) system</b> <ul style="list-style-type: none"> <li>• <b>Green bin</b> – food and garden waste</li> <li>• <b>Yellow bin</b> – recycling</li> <li>• <b>Red bin</b> – general waste</li> </ul> <b>PLUS:</b> Green verge collection and hard waste	<ul style="list-style-type: none"> <li>✓ Food waste</li> <li>✓ Garden waste</li> <li>✓ Recyclables</li> <li>✓ Bulk verge waste</li> </ul>	66.5%

**Table 4: comparison of different bin systems and recovery rates**



## Waste Management Action Plan

Waste Management Tool	Action (OR link to existing local government plan/document that details this activity)	Is the action new or existing?	Detailed actions/sub-actions (OR link to existing local government plan/document that details this activity)	Milestones (SMART): Specific, Measurable, Achievable, Relevant, Timed	Target (SMART)	Timeframe for delivery (completion date)	Cost of implementation incorporated into annual budget and Corporate Business Plan? Y/N - (if not, why?)	Aligns to Waste Strategy Objective/s		
								Avoid	Recover	Protect
Waste services	Initiate pre booked waste verge collection programme	New	<ol style="list-style-type: none"> <li>Decide parameters of service in conjunction with WMRC</li> <li>Monitor waste reduction and recovery rate through implementation of new system (quarterly)</li> </ol>	<ol style="list-style-type: none"> <li>Develop a business case detailing preferred service options and specifications, performance measures and implementation plan by September 2020.</li> <li>Make pre booked hard waste collection option available to residents by November 2020</li> </ol>	Reduce hard waste per capita by at least 5% by 2025 to contribute towards the achievement of the overall Waste Strategy 'Avoid' target. Target 75% recovery by 2025	Dec-20	Yes	✓	✓	✓
	Investigate the option of implementing smaller general waste bins with an associated reduction in waste levies	New	<ol style="list-style-type: none"> <li>Promote 120 Litre general waste bins (eg by increasing charges for larger bins)</li> </ol>	Determine waste habits by bin tagging to determine % full in bins by June 2020. Determine if current waste and recycling habits would support a reduction in bin sizes.		Dec-25	Cost neutral	✓	✓	✓
	Undertake bin tagging programmes:	Existing	<ol style="list-style-type: none"> <li>Implement bin tagging programme for general waste, GO collection and recycling bins</li> <li>Engage with WMRC regarding education and implementation of programme</li> <li>Display FAQs and information pack on website, provide to staff</li> <li>Identify households chosen for initial bin tagging programme March 2020</li> <li>Monitor results of tagging programme</li> </ol>	<p>200 properties bin tagged in Cottesloe in 2020.</p> <p>500 properties tagged by 2024.</p>	Year on year improvement in the Town's recovery rate approaching 67% target by 2025	Jan-25	No, Funding provided by WMRC through WALGA from DWER for bin tagging programme. Funding not yet secured for future years at this time.	✓	✓	☐
	Support WMRC in diverting residual waste from landfill to Waste to Energy when possible	New	<ol style="list-style-type: none"> <li>Support the W2E tender process to be let on a waste arising basis</li> <li>Note that residual waste may be diverted to W2E prior to FOGO implementation for a limited period only. Once FOGO in place only Waste Strategy compliant residual waste will be diverted to W2E</li> <li>Improve consistency with waste strategy targets by introducing FOGO as soon as feasible and by the Waste Strategy target of 2025</li> </ol>	<p>WMRC W2E contract in place by end 2020</p> <p>FOGO collection service in place as soon as a commercially sustainable processing option is available and by 2025</p>		1/01/2025	yes		✓	✓

	Implement FOGO to SUDs	New	<ol style="list-style-type: none"> <li>1. Develop a business case covering preferred service options and specifications, performance measures and implementation plan incorporating State Govt. guidance.</li> <li>2. Apply for 'Better Bins Go-FOGO' funding</li> <li>3. Roll out FOGO service and associated education material</li> </ol>	<ol style="list-style-type: none"> <li>1. Business case developed by July 2021</li> <li>2. FOGO bins supplied to all relevant properties by 2023</li> </ol>		Jun-22	Yes	✓	✓	
Waste infrastructure	Implement public place source separation	New	<ol style="list-style-type: none"> <li>1. Allocate budget by June 2020 to install clearly labelled recycling bins across the Town.</li> <li>2. Develop an implementation plan (including signage and education material) for roll out of recycling bins by December 2020.</li> <li>3. Monitor performance and efficiency of bins monthly.</li> </ol>	<ol style="list-style-type: none"> <li>1. 100% of major park bins have accompanying recycling bins by 2025.</li> <li>2. Year on year decrease in contamination in public open space bins until it reaches 20% by 2025</li> </ol>	Contamination rates in public place recycling bins are reduced to 20% by 2025.	Dec-25	Yes	✓	✓	
Policies and procurement	Develop a Waste Local Law	New	<ol style="list-style-type: none"> <li>1. Draft a Waste Local Law detailing general duties and responsibilities of residents and the Local Government based on WALGA Model Local Law</li> <li>2. Draft Waste Local Law to be sent to the Minister for the Environment and the Minister for Local Government and Communities in accordance with the <i>Local Government Act 1995</i></li> <li>3. Advertise Waste Local Law for public comment.</li> </ol>	<ol style="list-style-type: none"> <li>1. Draft Waste Local Law endorsed by Council by December 2020</li> <li>2. Gazettal by July 2021</li> </ol>	Waste Local Law enforced by December 2021	Dec-21	Yes	✓	✓	✓
	Introduce/enforce low waste event guidelines to complement existing waste prevention policies	New	Review and update existing event waste guidelines (including comparison with good practice guidelines from other councils). Review appropriate mechanism for enactment of guidelines	Low waste event guidelines reviewed by June 2021	Low waste event guidelines align with best practice by June 2022	Jun-22	Yes	✓	✓	✓
Data	Track the Town's waste generation rates	New	Track the Town's waste generation rates, by tip dockets received from transfer station and processors on a monthly basis	Waste generation rate reaches target by 2025	Reduce waste per head to 441 kg/pa by 2025	Dec-25	Yes	✓	□	✓
	Improve litter and illegal dumping data collection	New	<ol style="list-style-type: none"> <li>1. Identify illegal dumping and litter data needs (including costs) include opportunities to collaborate with State Govt.</li> <li>2. Liaise with WALGA Reducing Illegal Dumping working group to find best practice</li> <li>3. Create a standard database for recording illegal dumping and litter incidents and related data across Council</li> <li>4. Continue to monitor and seek continual improvement of illegal dumping and litter services and data recording where possible.</li> </ol>	Effective method of monitoring ID and litter data in place by Jan 2022	Reliable ID and litter data obtained Jan 2022	Jan-22	Yes	✓	□	✓

Behaviour change programs and initiatives	In conjunction with the WMRC have all signage and community information reflect Waste Sorted and Waste Sorted-approved graphics	Existing	<ol style="list-style-type: none"> <li>1. Update the Town's Waste and Recycling Guide using Waste Sorted graphics</li> <li>2. Make education material available to residents and businesses using Waste Sorted graphics</li> </ol>	Waste and Recycling guides for 20-21 onwards are Waste Sorted compliant	The Town uses the Waste Sorted graphics in all communication materials by January 2021.	Jan-21	Yes	✓	✓	
	In conjunction with WMRC provide programs, initiatives and waste avoidance education to the community	Existing	<ol style="list-style-type: none"> <li>1. Conduct Waste Watchers Workshops (WWW) and Community tours, talks, events and workshops.</li> <li>2. Undertake schools incursions.</li> <li>3. Provide online community education material including video clips.</li> <li>4. Coordinate with other LGs and RCs to share best practice.</li> <li>5. Provide advice to Member Council staff on behaviour change communications and education.</li> <li>6. Initiate volunteer programs</li> <li>7. Run recycling hotline</li> <li>8. Loan low waste equipment to events.</li> <li>9. Use print and digital media for waste reduction and management information <b>(Note these are WMRC actions)</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Four WWWs conducted each year</li> <li>2. Four school incursions per year.</li> <li>3. Two volunteer led events per year</li> <li>4. 80% press releases printed by local papers, increasing number of website visitors year on year.</li> <li>5. 2000 Facebook likes by end 2021</li> </ol> <p><b>(NOTE: these are WMRC targets, not limited to Town of Cottesloe)</b></p>	<p>If funding allows, a follow up assessment of WMRC initiatives to be carried out in 2022.</p> <p>The waste initiatives, programs and education have contributed to the reduction in waste generation of 10% and recovery of 67% by 2030</p>	Feb-30	Yes	✓	✓	

## Acronyms

DWER	Department of Water and Environment Regulation
FAQ's	Frequently asked questions
FOGO	Food Organics Green Organics
GO	Green Organics
LG	Local Government
MSW	Municipal Solid Waste
MUD	Multiple Unit Dwelling
RC	Regional Council
SUD	Single Unit Dwelling
WAAR Act	Waste Avoidance and Resource Recovery Act
WALGA	Western Australian Local Government Association
WMRC	Western Metropolitan Regional Council
WWW	Waste watches workshops