



# WMRC Waste Plan

2020-2025

WESTERN METROPOLITAN REGIONAL COUNCIL  
2/317 Churchill Ave  
Subiaco  
WA 6008

1 October 2020

# CONTENTS

1. INTRODUCTION .....	3
2. STRATEGIC CONTEXT.....	3
3. BACKGROUND .....	4
4. CURRENT SITUATION .....	4
5. CURRENT WASTE MANAGEMENT .....	5
6. WASTE MANAGEMENT ACTION PLAN .....	6

**WMRC Member Councils**

Town of Claremont | Town of Cottesloe | Town of Mosman Park | City of Subiaco | Shire of Peppermint Grove  
with Town of Cambridge

# 1. INTRODUCTION

Local governments have an important contribution to make in achieving 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 waste reduction and recycling 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
- design programs and activities which support the implementation of waste plans.

# 2. STRATEGIC CONTEXT

The WMRC Waste Plan 2020-2025 allows for council and community to track the WMRC's progress in delivering its environmental objectives and implementation actions (Figure 1).



Figure 1 Strategic Context for the Waste Plan 2020-2025

## 3. 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 waste management functions in accordance with their waste plans.

This waste plan guides the WMRC 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 food organics garden organics (FOGO) system.
- Reduce household waste by 5% per capita.
- 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.
- Increase recovery of materials from household waste to 70% across the Perth and Peel regions.

The WMRC 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 our 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.

## 4. 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. Although the WMRC does not collect the full spectrum of waste from households and local small commercial operators, in particular it does not deal with kerbside recycling, it is still required to report this data. However, the DWER targets

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

Recovery rate	2016/17	2017/18	2018/19	2019/20
<b>WMRC</b>	23%	18%	23%	46%
<b>Average Perth and Peel</b>	40%	41%	no data	no data
<b>Waste strategy target</b>	65%	65%	65%	65%

Two changes account for the rapid increase in the WMRC's recycling rate in 2019/20:

- Two more of our Councils adopted a GO third bin in their kerbside systems (Town of Claremont and Shire of Peppermint Grove). All five Member Councils now collect garden organics kerbside and deliver it to our site.
- The WMRC now consigns all bulk waste for processing rather than landfill.

## 5. CURRENT WASTE MANAGEMENT



Figure 2 WMRC Member and Participating Councils

In its capacity as the operator of the West Metro Recycling Centre in Shenton Park, the WMRC provides a variety of waste management services to its Member Councils under its Establishment Agreement. These are:

- Efficient transfer of residual MSW to landfill
- Efficient transfer of FOGO/GO bin/ kerbside greenwaste f to processor(s)

- Efficient transfer of Bulk hard waste to a processor
- The WMRC also operates a community drop off facility at the West Metro Recycling Centre of a growing range of problematic items including:
  - Household Hazardous Waste – products used in and around the home that are flammable, toxic, explosive, or corrosive including paint, batteries, household chemicals, gas bottles, compact fluorescents
  - Electronic Waste – as defined under the National Television and Computer Recycling Scheme
  - Car Batteries
  - Asbestos
  - Mattresses
  - Cardboard
  - Surplus co-mingled recyclables
  - Tyres
  - Refrigerated appliances (for degassing)
  - Scrap steel
  - Construction and Demolition Waste
  - Expanded Polystyrene
  - Small items that can be recycled or reused if separated at source including X rays, plastic bottle tops, clothing, sporting equipment, school stationery
- The WMRC also undertakes waste communications and education for its Member Councils and in conjunction with its Participating Council. This includes
  - Our *Recycling Hotline* where recycling questions are answered promptly and authoritatively.
  - The Waste Watchers program (workshops, tours, talks and events) to encourage residents to live with less waste.
  - Online and printed information for residents about home waste management and the recycling system.
  - Work with event managers to encourage low waste generation at community events.
  - Active Membership of WALGA's consistent communications collective, Waste Educators Networking Group and other working and advisory groups.

In addition, the WMRC manages collection and disposal contracts for its *Verge Valet* service - a pre-booked bulk and green waste service offered on an opt-in basis to Member Councils and neighbouring Councils

Finally, the WMRC provides a waste advisory, advocacy and consultancy service to its Member Councils.

## 6. WASTE MANAGEMENT ACTION PLAN

The plan on the following pages shows the key actions to be undertaken by the WMRC over the next 5 years as it aims to both assist its Member Councils achieve the DWER targets as set out in the Waste Strategy 2030 and also move its own operations in the same direction.

Waste Management Tool	Action (OR link to existing local government plan/document that details this activity)	Is the action new or existing?	Detailed 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)	Aligns to Waste Strategy Objective/s		
							Avoid	Recover	Protect
Waste services	Prepare for FOGO receipt	Existing	Obtain licence amendment Obtain transport and processing contracts	Licence amendment by August 2020 Contracts in place by end Feb 2021	FOGO receipt in place by March 2021	Mar-21		✓	
	Prepare to divert residual waste to W2E facility	Existing	Let contract with W2E processor for residual processing	Contract in place by end 2020	Residual waste transported to WtE from 1 July 2022	Jan-21		✓	
	Coordinate Verge Valet pre-booked bulk waste collection service throughout region	Existing	Sign up Town of Cottesloe Sign up City of Subiaco Sign up Town of Claremont Sign up Shire of Peppermint Grove Sign up at least one non-member Council	3 councils using service by end 2020 5 Councils using service by end FY 2021/22	5 Councils using service by end FY 2021/22	Jun-22		✓	
Waste infrastructure	Improve site including optimisation of current site and investigate possibilities for a larger site to create a modern, sustainable integrated recycling and waste management facility maximising the separation of clean waste streams and minimising the amount of material sent to landfill	New	Optimise current facility Define services deliverable on larger site: *extended and segregated free community drop off including a tip shop, *paid and pass community drop off *waste transfer station (inc FOGO) *community education centre, community reuse facilities (eg tip shop, education centre, community re-use accommodation) Investigate suitable sites Locate funding	Improve current facility (new compacting system) end 2021 Developer and site located by end 2022	Larger site in use by end 2025	Dec-25	✓	✓	✓
	Update waste transfer system (existing system nearing end of life)	New	Consider options (silos, moving floor etc) Tender for work Undertake required refurbishment Manage changeover Monitor effectiveness	Option decided: July 2020 Tender: Nov 2020 Funding: Nov 2020 Council agreement: Oct 2020 Tender award: Dec 2020 Construction commenced: Feb 2021 Construction complete: Jul 2021	System upgraded by Jul 2021	Jul-21		✓	✓

<b>Policies and procurement</b>	Continue to improve resident drop off services	Existing	Make existing 'tip pass' system easier for residents to use Build new HHW shed Design and install improved signage Consider new resident services Promote existing and improved services	New waste passes from July 2020 New signage from July 2020 New C+D waste service from June 2020 New HHW shed from Aug 2020 Upgrade community recycling hub Sep 2020	All in place by Oct 2020	Oct-20		✓	✓
	Relocate greenwaste stockpile area to allow for redevelopment of current lease area into school playing fields	New	Liaise with landlords concerning suitable area Relocate existing operations	Lease signed for new area Feb 2021 Licence amendment to recognise new area by Feb 2021	Stockpile area relocated by April 2021	Apr-21		✓	
	Ensure contracts maximise material or energy recovery	New	All relevant new contracts to include increasing material/energy recovery as a selection criterion	Contract review as they mature	All updated by June 2023	Jun-23		✓	✓
	Create Sustainable or Low Waste Office Procurement Policy	Existing	Avoid waste in office procurement (eg catering, supplies etc) Move to electronic reporting (inc Council agendas etc) and approvals processes Provide appropriate office bin system	Sustainable/Low waste Policy adopted August 2020 Default to electronic agendas for Council meetings by August 2020	All councillors using electronic agendas by Nov 2021	Nov-21	✓	✓	
<b>Behaviour change programs and initiatives</b>	Ensure communications and education program remains targeted to member council needs	Existing	Continuously assess and improve programs Liaise with member council officers to make sure that offerings fit for purpose Continue to provide a consultancy service to member council Report regularly to CEO Advisory Committee	Jointly with MCs: Assess programs, Create gap analyses Modify/ design programs Implement programs Repeat	Member council officers indicate high level of satisfaction with service annually	Ongoing	✓	✓	✓
	Ensure communications and education in the region remain aligned with better practice	Existing	Liaise with other RCs, LGs, State government and other bodies to ensure best practice and consistent communications and education. Includes attendance on relevant groups and networking	All WMRC and MC communications use WasteSorted where appropriate		Ongoing	✓	✓	✓
<b>Data</b>	Improve accessibility of data for materials received at the West Metro Recycling Centre for WMRC and MC staff	Existing	Let contract for new weighbridge software Train staff in use of new software Inform MC officers of improved data availability	New weighbridge s/w in place by July 2020	Reporting provided to MC Officers quarterly starting with 1Q 2020-21	Oct-20		✓	