



FOGO rollout plan 2020–21 report

Supporting the *Waste Avoidance and Resource Recovery Strategy 2030* and *Action Plan 2020–21*



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Introduction

The *Waste Avoidance and Resource Recovery Strategy 2030* (waste strategy) aims 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 waste strategy commits to pursuing better practice approaches to waste management, including a headline strategy to roll out a consistent three-bin kerbside collection system, which includes separation of food organics and garden organics (FOGO) from other waste categories, by all local governments in the Perth and Peel regions by 2025. The waste strategy identifies organics as a focus material because of the amount generated and the opportunities to recycle materials into valuable products such as compost while supporting the achievement of the state's material recovery targets.

The Waste Authority established a FOGO Reference Group to support the rollout of three-bin FOGO services. The group is represented by experts from the waste and recycling sector, including organics recyclers, as well as local and state government. The group supported the development and implementation of the FOGO rollout plan 2020–21. The plan is the first to be released and publicly signals key actions being taken collectively to work towards the waste strategy's FOGO targets.

This document reports against the actions in the 2020–21 FOGO rollout plan. I would sincerely like to thank the FOGO Reference Group for its support in developing and implementing the FOGO plan. In particular, the group made an invaluable contribution to putting together the market development strategy for FOGO-derived products; a step-by-step guide to help with planning, implementing and monitoring better practice FOGO services; and a list of which materials can be placed in the FOGO bin, to support consistent communications. Members of the group also provided input into case studies and shared their experiences and insights at the FOGO online sessions held in 2020.

Reg Howard-Smith
Chair, Waste Authority



FOGO rollout plan 2020–21 report

The [FOGO rollout plan 2020–21](#) (rollout plan) was developed following the release of the waste strategy in 2019 and the establishment of the FOGO Reference Group later that year. The rollout plan was endorsed by the Waste Authority on 5 May 2020, noted by the Minister on 14 May 2020 and published on the Waste Authority's website on 24 August 2020.

The FOGO rollout plan's objectives are to:

1. facilitate market development for FOGO-derived products
2. facilitate actions to match processing capacity with expected FOGO generation rates
3. maintain a rollout schedule of local government FOGO services to inform planning.

The rollout plan focused on priorities in 2020–21 which were categorised into five themes:

1. markets
2. engagement and education
3. local government services
4. processing
5. foundation actions.

01 Markets

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| Project | Description | Responsibility | |
| Data projections (quarterly updates). | Produce estimates of the volume of FOGO-derived product to enter the market in each year to 2025. | Waste Authority, with support from FOGO Reference Group. | The Department of Water and Environmental Regulation (DWER) provided the Reference Group with updated FOGO projections at each meeting. Projections included FOGO collection rates, potential processing capacity and projected outputs of FOGO materials (post processing). |
| Market development strategy. | Develop strategy to identify markets for FOGO-derived materials and identify the key issues, barriers and actions required to develop them. (Proposed funded activity through the WARR Account.) | Waste Authority, with support from FOGO Reference Group. | The Waste Authority's Business Plan 2020–21 included \$100,000 to undertake FOGO market research (including for the FOGO market development strategy). The FOGO Reference Group provided input into the market development strategy. In December 2020, DWER, on behalf of the Waste Authority, engaged GHD Pty Ltd to produce the strategy. The draft strategy was delivered in June 2021 (to be published following Waste Authority approval). The total cost of the project was \$86,907.70 (incl. GST). |
| Market development actions. | TBC (market development actions based on findings in market development strategy). | | Priority actions from the approved market development strategy to be included in the FOGO rollout plan 2021–22. |

02 Engagement and education

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| Project | Description | Responsibility | |
| WasteSorted communications toolkit for local governments. | Help local governments communicate their waste and recycling services to residents; support consistent and effective communications across local governments. | Waste Authority. | <p>WasteSorted Toolkit</p> <p>The WasteSorted toolkit supports local governments and regional councils to communicate about how to sort waste for their kerbside services. The toolkit includes a catalogue of FOGO resources including newspaper ads, stickers, magnets and social media images. The toolkit is continually being revised and expanded. It was updated in 2020–21 to align with the 'Be a GREAT Sort' behaviour change campaign.</p> <p>The 2020–21 allocation for the WasteSorted communications toolkit was \$100,000. The total amount spent was \$100,000.</p> |
| | | | <p>Be a GREAT Sort</p> <p>The WasteSorted behaviour change campaign Be a GREAT Sort was launched by the Minister for Environment on 31 August 2020. The campaign responds to calls from the community and the recycling industry to provide simple, clear messages about how to best deal with household waste and what we can do to improve our recycling outcomes.</p> |

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| | | | <p>The campaign promotes five behaviours to avoid waste and recover more, including the use of FOGO bins (or composting at home) as one of the five priority behaviours for the community to adopt.</p> <p>The campaign is a key component of the waste strategy's 2020–21 Action Plan, and supports the strategy in its aim to deliver state-wide communications providing consistent messaging on waste avoidance, resource recovery and appropriate waste disposal behaviours.</p> <p>The 2020–21 budget allocation for the Be a GREAT Sort campaign was \$340,000. The total amount spent was about \$363,000.</p> |
| Support services for engagement and education: case studies, workshops, FAQs. | Provide services and engagement actions to build knowledge and capacity among waste educators. | Waste Authority, WALGA, Consistent Communications Collective, FOGO Reference Group. | <p>Information sessions</p> <p>DWER and the Waste Authority, with support from the FOGO Reference Group, delivered a series of online sessions in 2020 to support the rollout of FOGO collection services. The sessions allowed participants to hear from various speakers and share experiences about FOGO, including challenges and success stories.</p> <p>There were six sessions:</p> <ol style="list-style-type: none"> 1. Setting the scene – Friday 17 April 2020. 2. Processing and markets – Friday 1 May 2020. |

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| | | | <p>3. Local government services – Friday 15 May 2020.</p> <p>4. Engagement and education – Friday, 29 May 2020.</p> <p>5. Better Bins Plus: Go FOGO presentation and Q&A – Friday, 5 June 2020.</p> <p>6. Providing FOGO to MUDs online forum – Tuesday, 15 September 2020.</p> |
| | | | <p>FOGO list</p> <p>The FOGO Reference Group in conjunction with the Consistent Communications Collective developed a list of materials suitable for the FOGO bin. The list includes common items divided into “allowed” and “not allowed” categories. It will be published on the Waste Authority’s website.</p> |

03 Local government services

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| Project | Description | Responsibility | |
| Better Bins Plus: Go FOGO. | Deliver the funding program to support local governments to introduce better practice FOGO kerbside collection systems. | Waste Authority. | <p>The \$20 million Better Bins Plus: Go FOGO program supports local governments to provide three bin FOGO services consistent with the <i>Better Practice FOGO kerbside collection guidelines</i>.</p> <p>The first round of funding opened on 5 May 2020. Sixteen local governments are signed up to the program with grant funding totalling \$4.425 million. The program supports services to more than 290,000 households.</p> <p>The second round of Better Bins Plus funding closed on Wednesday, 31 March 2021. Two local governments' applications were received.</p> <p>Local governments participating in the program are:</p> <ul style="list-style-type: none"> • the cities of Albany, Bayswater, Belmont, Bunbury, Fremantle, Kalamunda, Melville and Vincent • the shires of Augusta-Margaret River, Collie, Dardanup and Serpentine-Jarrahdale • the towns of Bassendean and East Fremantle. <p>The Waste Authority Business Plan 2020-21 allocated \$1,000,000 to Better Bins Plus. The total amount</p> |

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| | | | allocated during the period was \$1,763,205.00. |
| Better practice FOGO kerbside collection guidelines. | Provide details about better practice three-bin kerbside collection services which include a separate service for FOGO. | Waste Authority. | The <i>Better practice FOGO kerbside collection guidelines</i> were released on 5 May 2020. The guidelines describe better practice three-bin kerbside collection services, including mobile garbage bins, kitchen caddies and liners, complementary measures and actions to support markets for FOGO-derived materials. |
| Cost-benefit support. | Provide a resource to support local governments to produce a cost benefit assessment of FOGO services. | Waste Authority, with support from FOGO Reference Group. | At the request of the Waste Authority, DWER engaged MRA Consulting Group to produce a report on the impacts and benefits of different kerbside systems used across the Perth and Peel local governments. The report assesses various kerbside services (including three-bin FOGO services), looking at system costs, recovery rates and greenhouse gas emissions. The project cost \$32,752.50 (incl GST). The report will be published following Waste Authority approval. The Eastern Metropolitan Regional Council (EMRC) also engaged MRA to develop a kerbside assessment tool and produce results for each of its member councils. Through the FOGO Reference Group, EMRC also provided an opportunity for non-member councils to use the tool. |

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| Information services for local governments: case studies, workshops, FAQs. | Deliver services and engagement actions to build knowledge and capacity in the local government sector. | Waste Authority, with support from FOGO Reference Group. | <p>Step-by-step guide</p> <p>The FOGO Reference Group identified the need for a step-by-step guide to support planning, implementation and monitoring of better practice FOGO Services. The guide is a key resource for supporting local governments and others with the FOGO rollout. DWER, on behalf of the Waste Authority, engaged MRA to produce the guide. The guide was provided by MRA in June 2021 at a cost of \$12,760.00 (incl. GST). It will be published following Waste Authority approval.</p> |
| | | | <p>Case studies</p> <p>DWER worked with the City of Melville and Town of Bassendean to produce case studies on local government FOGO services. The case studies will be published following Waste Authority approval.</p> |

04 Processing

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| Project | Description | Responsibility | |
| Data projections (quarterly updates). | Produce estimates of the volume of FOGO materials collected each year to 2025. | Waste Authority, with support from FOGO Reference Group. | DWER provided the Reference Group with updated FOGO projections at each meeting. Projections included FOGO collection rates, potential processing capacity and projected outputs of FOGO materials (post processing). |
| DWER composting guidelines: consultation. | Develop a guideline containing environmental performance objectives and minimum standards for the construction and operation of composting premises regulated under Part V of the <i>Environmental Protection Act 1986</i> . The guideline would also define 'better practice' for composting facilities in relation to the waste strategy. | DWER. | The draft <i>Guideline: Better practice composting</i> was released on 25 May 2020 for public consultation. The consultation period closed on 25 November 2020. |
| DWER composting guidelines: release. | As above. | DWER. | Release of the guideline is subject to approval processes and consideration by the Minister. It is |

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| | | | anticipated that the guideline will be released in July/August 2021. |
| Waste infrastructure review/plan. | Provide FOGO-related input into the strategic review of Western Australia's waste infrastructure. | Waste Authority, with support from FOGO Reference Group. | ASK Waste Management completed an audit of all waste infrastructure in the state. This included development of a waste infrastructure register (WIR) and mapping of over 400 waste facilities across the state, including FOGO/organic facilities. Information from the audit and WIR will inform modelling and a needs analysis which is being undertaken by Talis Consultants. The needs analysis is anticipated to be completed by the end of August 2021, with the outcomes of this project used as the basis for the development of the State Waste Infrastructure Plan. The 2020–21 allocation for the state waste infrastructure audit and needs analysis was \$250,000. |
| Information services: case studies, workshops. | Deliver services and engagement actions to build knowledge and capacity in the organics/composting sector. | Waste Authority, with support from FOGO Reference Group. | DWER worked with EMRC and the Southern Metropolitan Regional Council (SMRC) to produce case studies on FOGO processing. The case studies will be published following Waste Authority approval. |
| Better practice guidelines for solid waste | Develop guidelines for solid waste treatment and | DWER. | An initial draft of the <i>Better practice solid waste treatment</i> |

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| treatment and storage facilities: consultation. | storage facilities as part of DWER's regulatory framework for prescribed premises; complement the DWER composting guidelines and the waste strategy objectives. | | <i>and storage guideline</i> has been prepared by DWER. The department aims to consult on the draft guideline following the release of the better practice composting guideline. |
| Regulatory support. | Support the composting industry with regulatory processes such as works approval and licence applications. | DWER. | DWER continues to support the composting industry with works approval and licence applications. Resourcing allocated to support this work was covered by the Service Level Agreement between the Waste Authority and DWER. |

05 Foundation actions

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| Project | Description | Responsibility | |
| FOGO position statement (updated as required). | Confirm the Waste Authority's support for FOGO collection systems. | Waste Authority. | The FOGO position statement, which confirms the Waste Authority's support for FOGO collection systems, was updated and published on the Waste Authority website on 3 September 2020. |



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