



# Resource Recovery Group

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Recycle. Innovate. Educate.

**Recycle** materials to their highest practical value.

**Innovate** and implement new approaches to recycling and resource recovery.

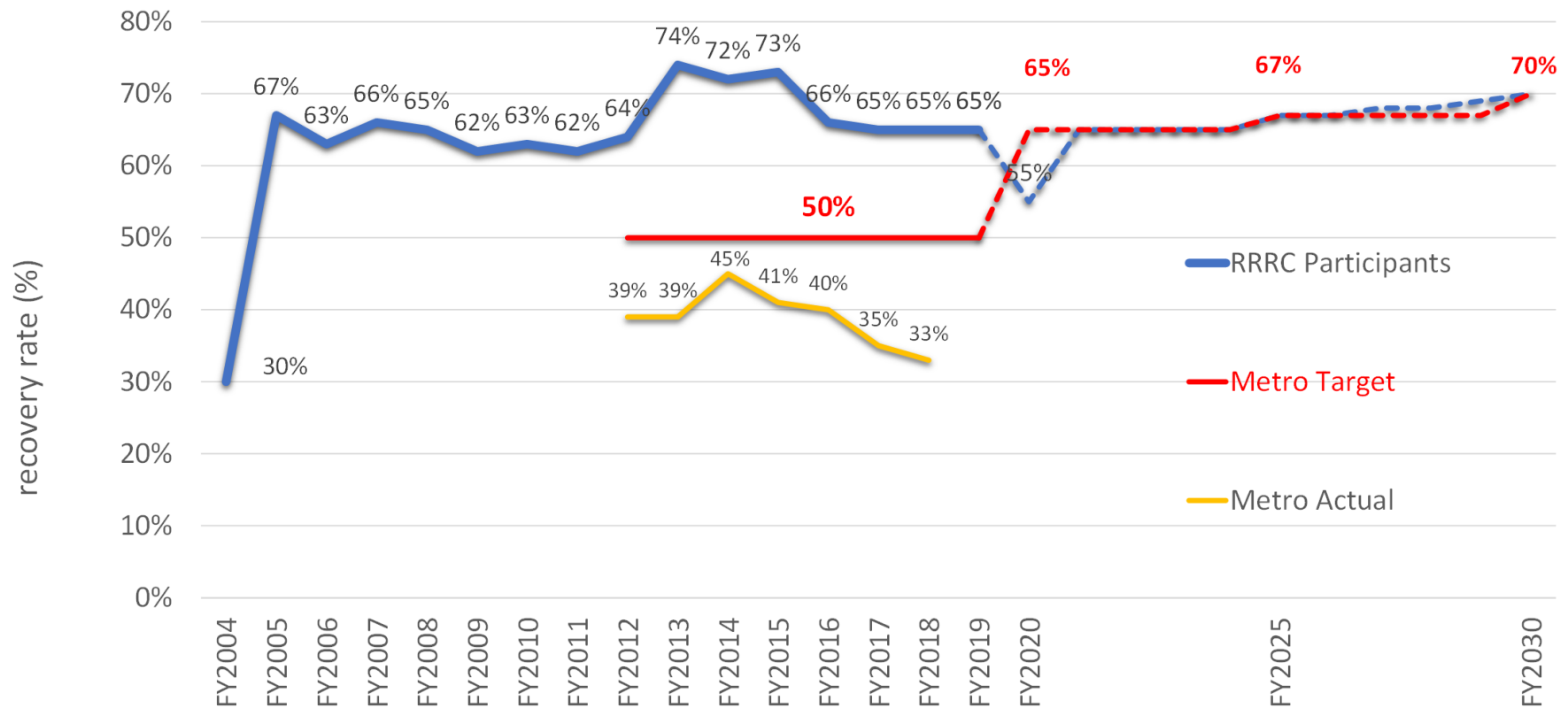
**Educate** by providing tools to recycle right, reduce waste and live more sustainably.

# **Are you on track to achieve your waste strategy targets and reduce your climate impact?**

- Licensed FOGO processing capacity of 109,200 tpa
- 20 years of achievement in providing best practice resource recovery solutions with proven supply chains and the highest LG recovery rates in the state.
- Established carbon abatement project delivering over 600,000 tCo<sub>2</sub>-e since 2005

# 2004-2030


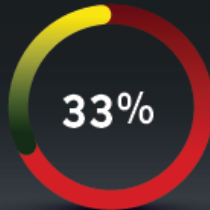



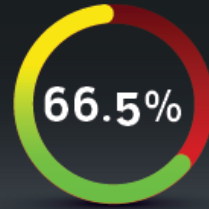
## RRRC historical and projected material recovery rates & state targets



# How is LG sector doing?

Sector	Targets	2019-20 measurement
MSW	2025	67% recovery in Perth and Peel
		55% recovery in major regional centres
		<u>Perth and Peel regions</u> 31% recovery 3% decrease since 2018-19
	2030	70% recovery in Perth and Peel
		60% recovery in major regional centres
		<u>Major regional centres</u> 29% recovery unchanged since 2018-19

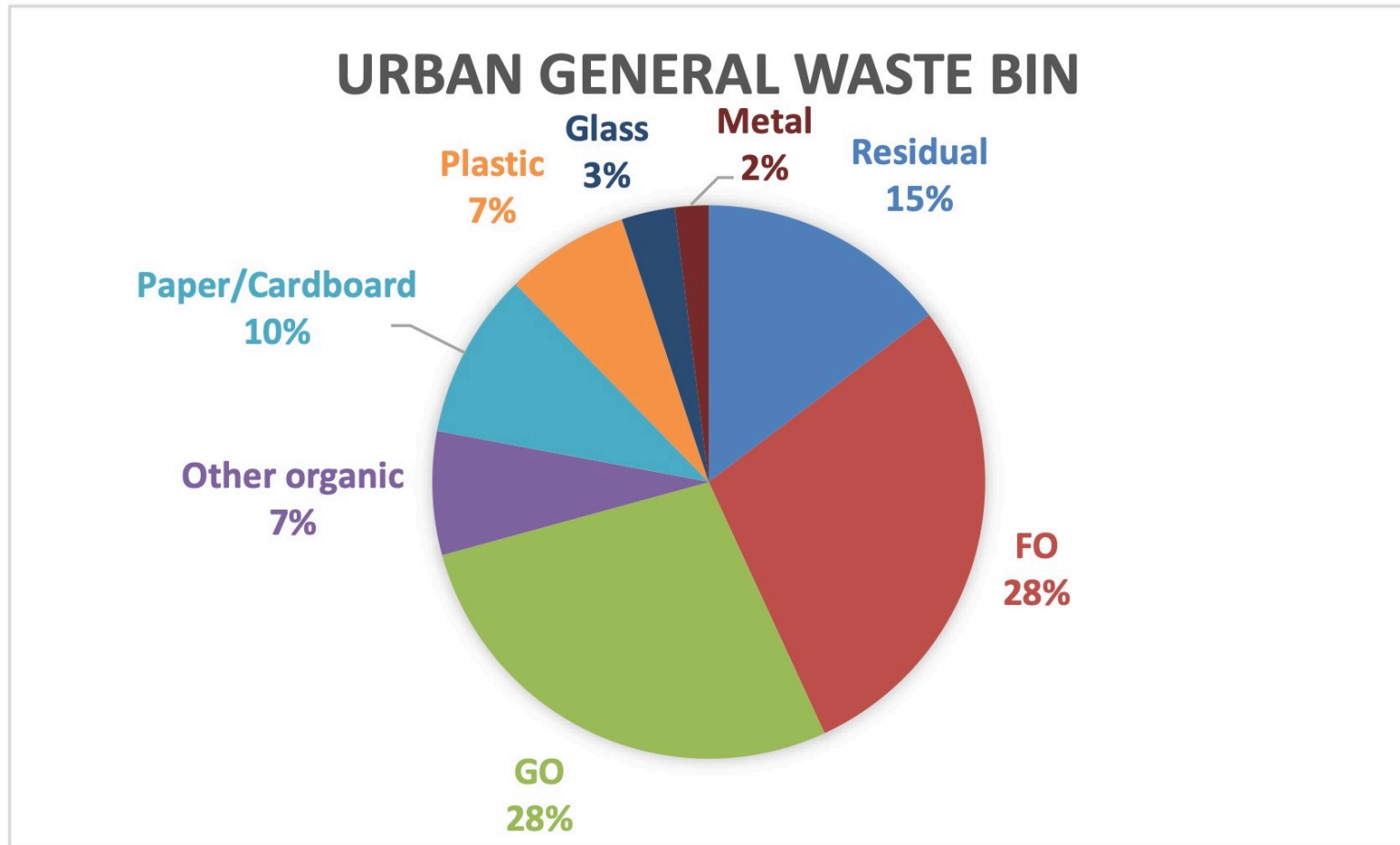
# System Comparisons

Bin System	Resources recovered	Typical recovery rate
<b>2-Bin system</b>  	<ul style="list-style-type: none"> <li>✓ Recyclables</li> <li>✓ Bulk verge waste</li> </ul>	 <p>33% diversion from landfill</p>
<b>3-bin Garden Organics (GO) system</b>  	<ul style="list-style-type: none"> <li>✓ Garden waste</li> <li>✓ Recyclables</li> <li>✓ Bulk verge waste</li> </ul>	 <p>48% diversion from landfill</p>
<b>3-bin Food Organics Garden Organics (FOGO) system</b>  	<ul style="list-style-type: none"> <li>✓ Food waste</li> <li>✓ Garden waste</li> <li>✓ Recyclables</li> <li>✓ Bulk verge waste</li> </ul>	 <p>66.5% diversion from landfill</p>

# Processing Purpose

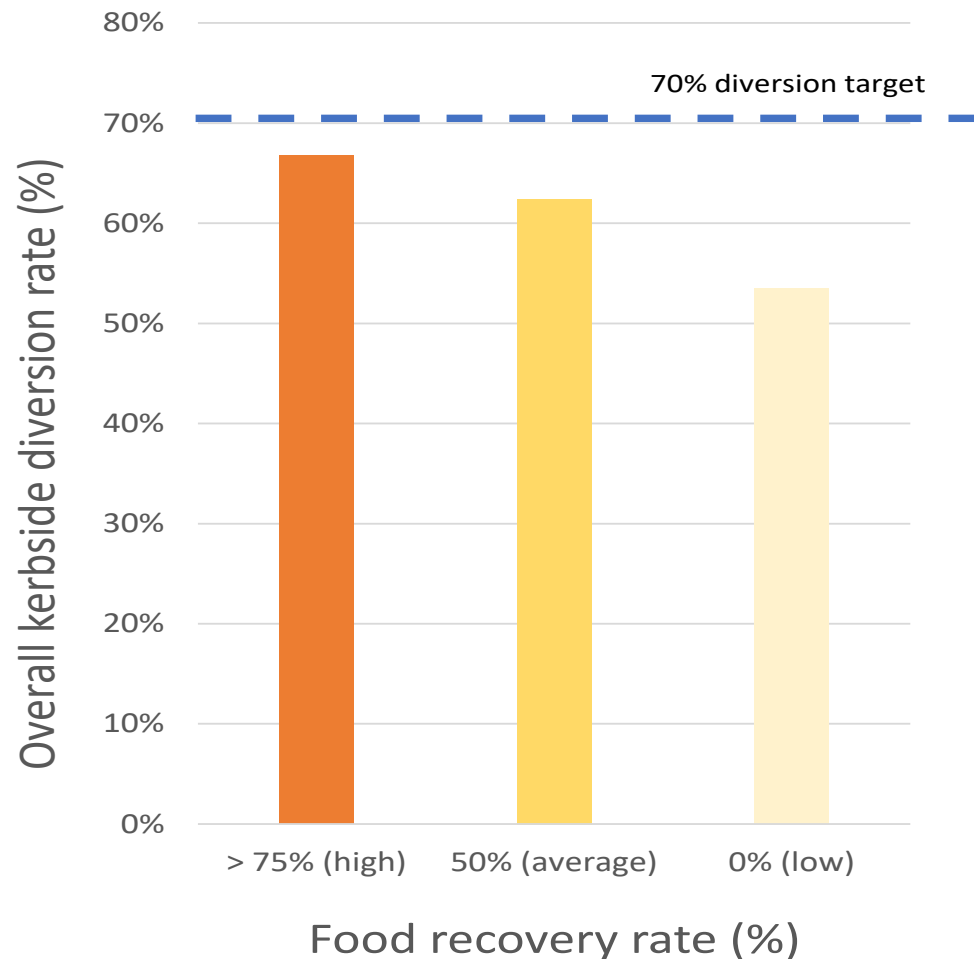
- Meet material recovery targets
- Achieve Australian Standard fit for purpose end products
- Ensure sustainable end markets
- Demonstrate closed loop systems

# Make sure you get the FO and the GO



# Food Recovery Performance

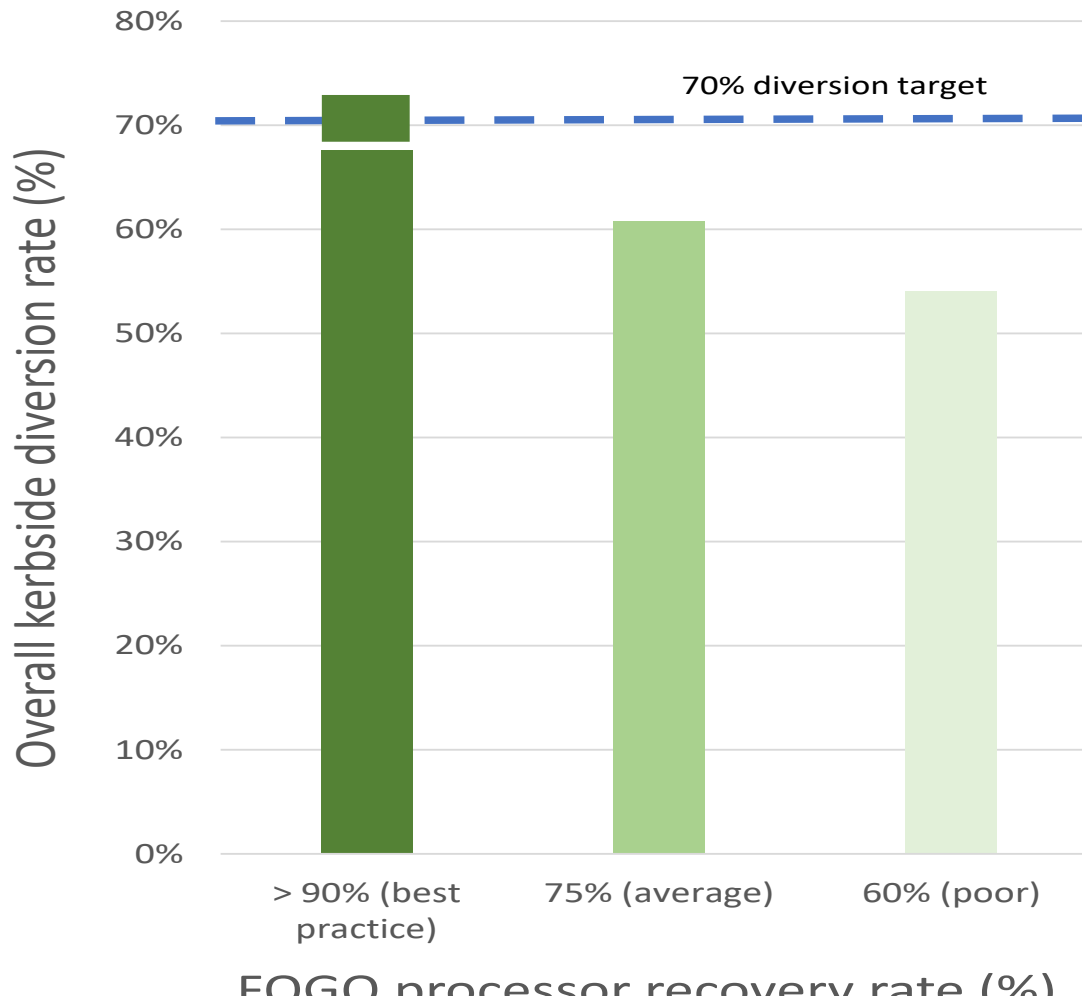
**Chart 1** - Effect of FOGO performance  
on overall kerbside diversion rate





# FOGO processing performance is critical

**Chart 2** - Effect of FOGO processor performance on overall kerbside diversion rate



# Markets (approx. 30% FOGO content)

## **Bagged product via Brunnings-currently retailed**

Coles, Woolies, IGA

## **Bulk Product via Purearth currently retailed as Landscape Mix**

- Baldivis Landscape Supplies, 577 Eighty Road, Baldivis;
- Lesmurdie Sand & Soil, 109 Pickering Brook Road, Pickering Brook;
- Little Loads, 325 Dundas Rd, High Wycombe;
- Maddington Landscape & Garden Supplies, 16 Boydell Road, Kenwick;
- Mundaring Little Loads, 5 Moata Place, Mundaring;
- Regal Garden Supplies, 462 Nicholson Rd, Forrestdale; and
- Soilworld, 794 Marshall Road, Malaga.

**Local Government** urban amenity and landscaping opportunities abound



# FOGO Processing

The FOGO Cycle



# Source separated organic waste projects

## The benefits of running a source separated organic waste project

A source separated organic waste project processes organic waste to reduce the amount of methane released into the atmosphere. This reduction in emissions earns Australian carbon credit units (carbon credits).

Separating and treating organic waste has a number of benefits:



### **Diversified revenue**

Carbon credits provide another income stream for your business.



### **Reduce landfill**

Separating organic waste reduces the amount of waste entering landfills.



### **Create bioproducts**

Convert waste into useful bioproducts, such as compost or mulch.

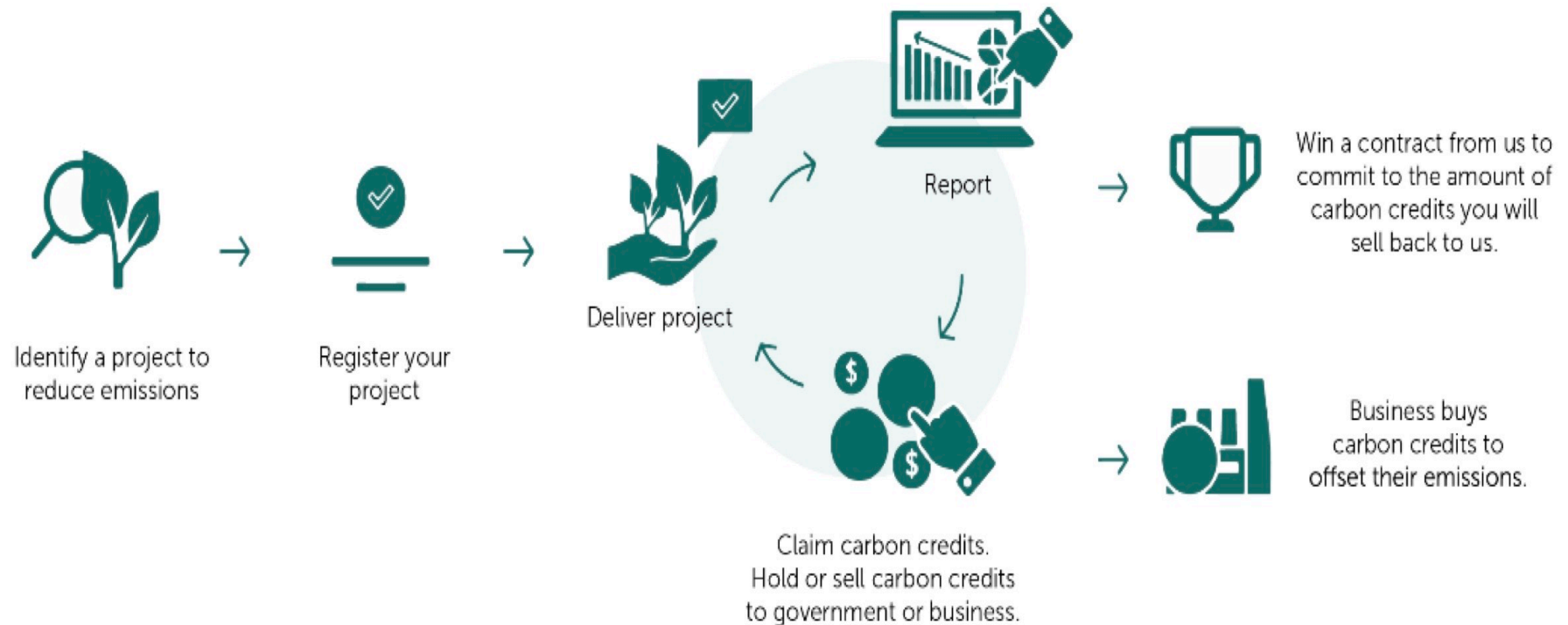


### **Environmental action**

Be recognised for your contribution to Australia's emissions reductions.

# How the Emissions Reduction Fund works

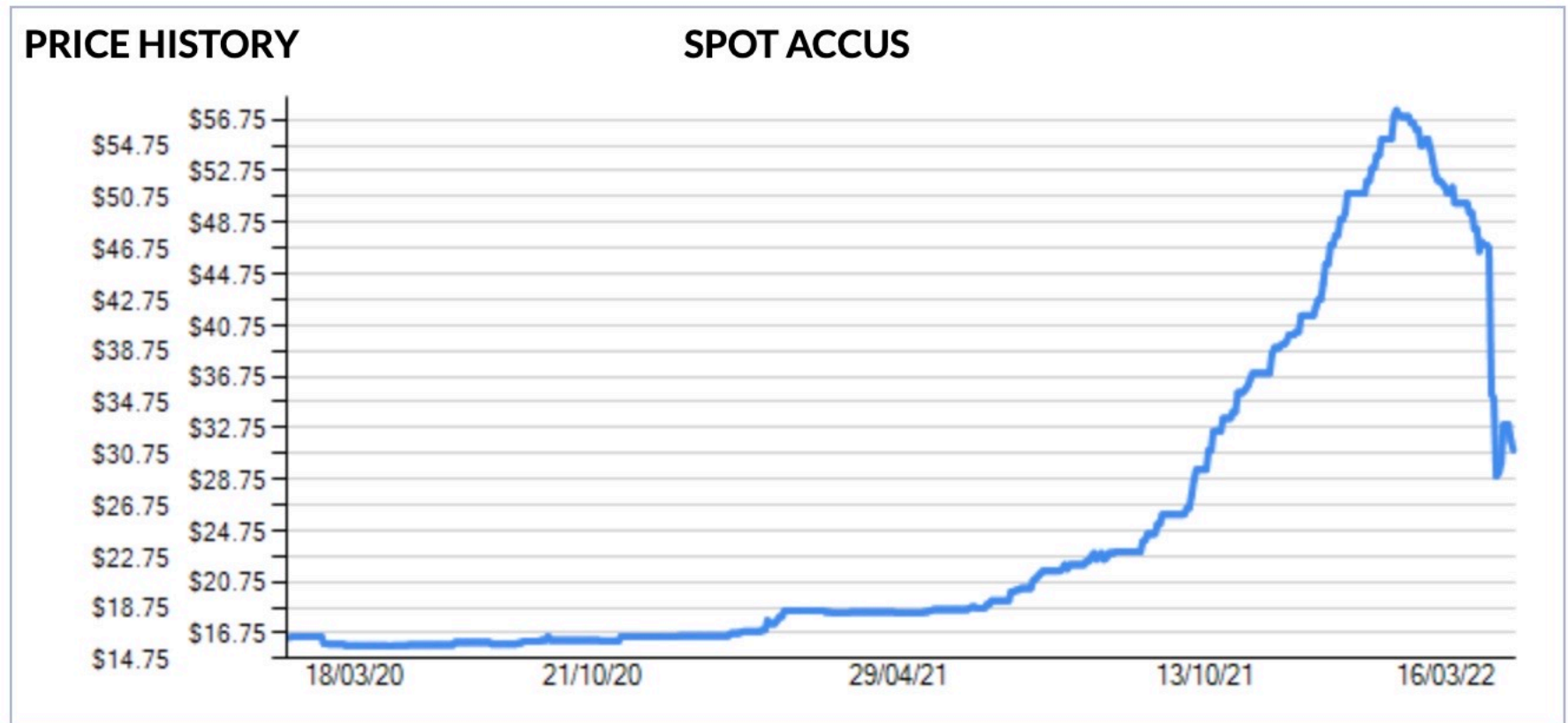
## How to participate



# Monitoring, auditing, reporting

- As part of registering a project, you will need to describe your proposed activities and calculate your expected carbon credits.
- There are operating, monitoring, reporting and audit obligations in running a source separated organic waste project.
- You are eligible to receive carbon credits each time you report calculated project emissions reductions during the first seven years of the project.
- Note that these carbon credits will be issued to you over a 13-year period. You will need to continue to report on your project at least every two years over the 13 years.

# Carbon Price \$AUD



# Summary

- Establish critical success factors for a high performing kerbside system
- Gain supplier commitment for the recovery rate
- Know the end markets and ensure they are legitimate and sustainable- you have an obligation to know the integrity of the supply chain
- Explore the carbon opportunities- don't miss out!
- What are you waiting for?