



# **PUBLIC DISCLOSURE STATEMENT**

**FURPHY'S FOUNDRY SALES PTY LTD**

**PRODUCT CERTIFICATION  
FY2023-24 (PROJECTED)**


Australian Government

# Climate Active Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Furphy's Foundry Sales Pty Ltd
REPORTING PERIOD	Financial year 1 July 2023 – 30 June 2024 (Projected)
DECLARATION	<p><i>To the best of my knowledge, the information provided in this public disclosure statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.</i></p> <p></p> <p>Samuel Furphy Managing Director Date : 05/10/23</p>



Australian Government  
Department of Climate Change, Energy,  
the Environment and Water

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Version March 2023.

# 1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	27 tCO2-e
THE OFFSETS USED	100% ACCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: EnergyLink Services Pty Ltd
TECHNICAL ASSESSMENT	06/07/2023 Product Next technical assessment due: FY 2027-28
THIRD PARTY VALIDATION	Type 3 05/07/2023 Blue Environment Pty Ltd

## Contents

1. Certification summary.....	3
2. Carbon neutral information .....	4
3. Emissions boundary .....	5
4. Emissions reductions.....	8
5. Emissions summary .....	9
6. Carbon offsets .....	11
7. Renewable Energy Certificate (REC) summary.....	13
Appendix A: Additional information .....	14
Appendix B: Electricity summary .....	15
Appendix C: Inside emissions boundary .....	16
Appendix D: Outside emission boundary.....	17

## 2. CARBON NEUTRAL INFORMATION

### Description of certification

This inventory has been prepared for the financial year 1 July 2023– 30 June 2024 and covers a full coverage product certification for the furniture range called “Nuvo” manufactured by Furphy’s Foundry Sales Pty Ltd, ABN: 29 082 694 880.

### Product description

Furphy Foundry is an Australian-owned company that specializes in the design, manufacture, and supply of high-quality street and park furniture, including benches, picnic settings, shelters, and more. Founded in 1864, the company has a long-standing reputation for producing durable, functional, and aesthetically pleasing products that are built to withstand the harsh Australian climate. Furphy Foundry prides itself on using sustainable materials and manufacturing processes to reduce its impact on the environment. With a strong focus on quality, reliability, and innovation, Furphy Foundry has become a trusted name in the street and park furniture industry.

As part of Furphy Foundry’s commitment to sustainability, Furphy Foundry has obtained a full coverage Carbon Neutral product certification for its Nuvo range of products. The range include the following products:

- Seat 1800mm long (with timber slats, HDPE plastic slats or aluminium, slats)
- Bench 1800mm long (with timber slats, HDPE plastic slats or aluminium, slats)
- Bench square platform (with timber slats, HDPE plastic slats or aluminium, slats)
- Table 1800mm long (with timber slats, HDPE plastic slats or aluminium, slats)
- Shelter (mild steel not aluminium)
- 120 L and 240 L Litter bin surrounds (aluminium & stainless steel)

A cradle-to-gate approach has been taken as Furphy Foundry does not have control or insight into customers' actions with the furniture at the end of product life. The functional unit of this certification is a unit of infrastructure, which represents a saleable unit within the Nuvo range.

## 3.EMISSIONS BOUNDARY

### Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

**Quantified** emissions have been assessed as 'attributable processes' that become the product. These attributable processes are services, materials and energy flows that become the product, make the product and carry the product through its life cycle. These attributable emissions have been quantified in the carbon inventory.

**Non-quantified** emissions have been assessed as attributable and are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

### Outside the emissions boundary

**Non-attributable** emissions have been assessed as not attributable to a product. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim). Further detail is available at Appendix D.

## Inside emissions boundary

### Quantified

Cast Aluminium Upstream  
Sand Mould and Casting  
Aluminium Process  
Transportation to site  
Aluminium Upstream  
Stainless Steel Upstream  
Powder Coating Upstream  
Uplift Factor Emissions -  
Product Manufacturing  
HDPE Upstream  
Steel Galvanized Upstream  
Steel Upstream  
Hardwood Upstream  
Timber Upstream  
Transportation - All rigid  
vehicles  
Uplift Factor Emissions -  
Packaging  
Transportation to client  
Plastic Packaging

### Non-quantified

Supplier Cutting and  
Fabricating

### Excluded

N/A

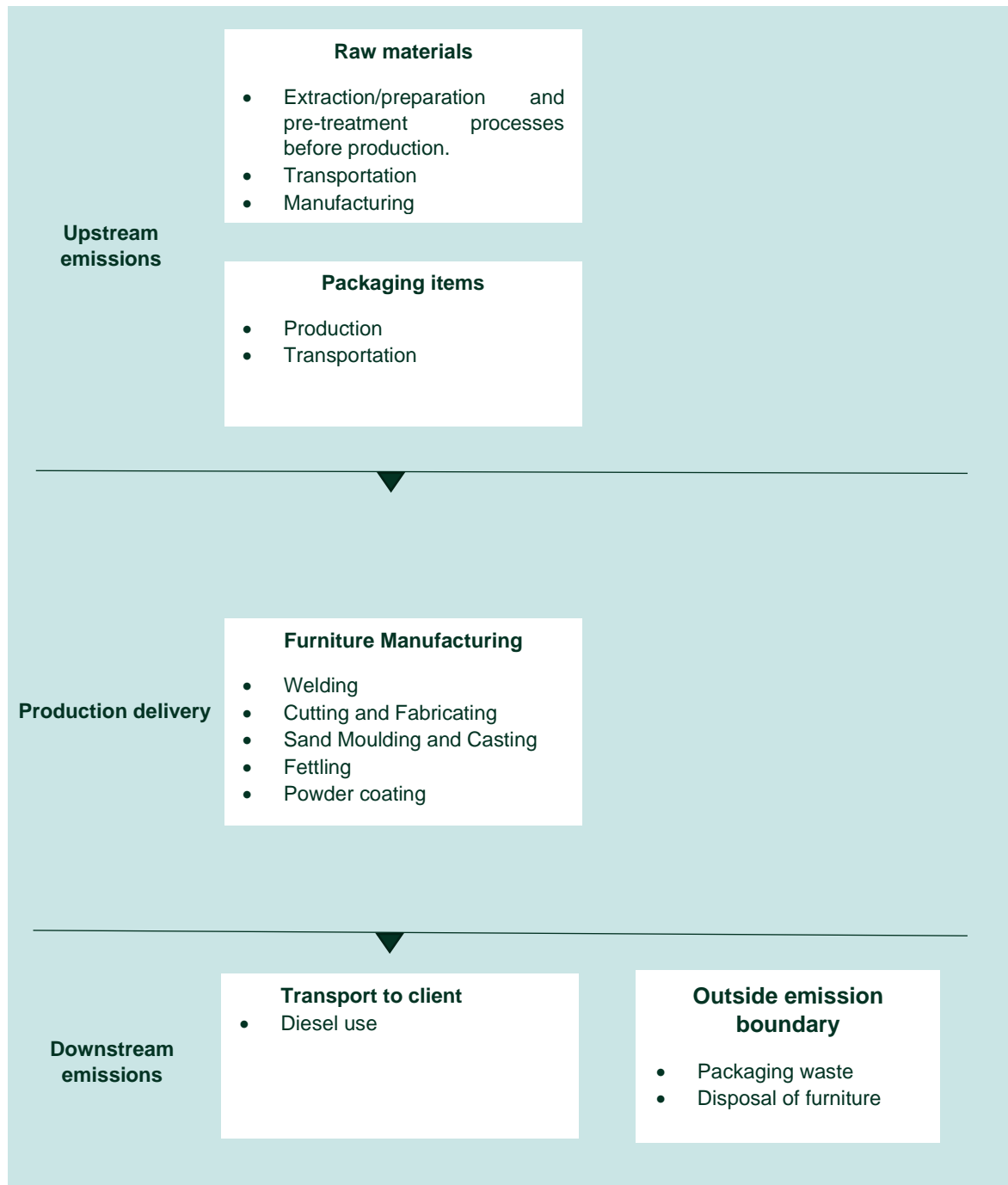
## Outside emission boundary

### Non-attributable

End of life product  
disposal emissions  
Packaging waste  
disposal

## Product process diagram

The following diagram is the cradle-to-gate diagram for this certification. A cradle-to-gate approach has been taken as Furphy Foundry cannot control what actions customers take with the furniture and packaging waste at the end of the product life. The certification covers all upstream processing of raw materials (e.g. aluminium, stainless steel, galvanized steel, steel...), the furniture manufacturing, packaging items including production and transportation, also downstream emission related to transportation to the client. This is shown below.



## 4.EMISSIONS REDUCTIONS

### Emissions reduction strategy

Furphy's Foundry Sales has already implemented sustainability actions such as utilising solar power throughout its Shepparton Foundry to manufacture products, utilising 100% Recycled Aluminium Castings and FSC-certified sustainably sourced timber. The company also offers WPC, an environmentally friendly material with better mechanical properties than traditional products. Additionally, they offer Solar Lighting Kits for environmentally friendly lighting solutions. The use of recycled aluminum reduces energy usage and greenhouse gas emissions by up to 95%, and all timber used meets specific Australian standards and building codes.

Furphy's Foundry Sales is committed to reduce emissions in our carbon neutral certified product range by 10% per unit of infrastructure by 2030 from a FY 2023/2024 base year. We will do this by continuously improving our sustainable procurement and manufacturing practices.

One area that Furphy Foundry recognizes as having a significant impact on the carbon emissions is transportation and logistics. To address this, we have developed a comprehensive strategy to reduce emissions associated with transporting our products and materials. Firstly, we are working with our logistics operations to optimise delivery routes and reduce the number of trips required in the next 3 years. This will not only reduce our carbon footprint but also improve the efficiency of our supply chain. Secondly, we will explore the use of renewable fuels, such as biodiesel, for our transportation and logistics operations and implementing them in the next 5 years. This will further reduce our carbon footprint and help to promote the use of sustainable fuels in the transport industry.

Furphy is dedicated to exploring the option of purchasing products and services that are carbon neutral within the next 3 years, thus reducing its carbon footprint. Also, another strategy is to explore potential materials that may have lower emissions intensity. Through this proactive approach, Furphy demonstrates its commitment to sustainability and sets a positive example for others in the business community.



## 5.EMISSIONS SUMMARY

### Use of Climate Active carbon neutral products and services

N/A.

### Emissions summary

Stage / Attributable Process / Source	tCO2-e
Products Manufacturing - Cast Aluminium Upstream	0.70
Products Manufacturing - Sand Mould and Casting Aluminium Process	0.58
Products Manufacturing - Transportation - All rigid vehicles	0.73
Products Manufacturing - Transportation - Vans	0.48
Products Manufacturing - Aluminium Upstream	14.80
Products Manufacturing - Stainless Steel Upstream	0.11
Products Manufacturing - Powder Coating Upstream	0.52
Products Manufacturing - HDPE Upstream*	0.00
Products Manufacturing - Steel Galvanized Upstream	3.91
Products Manufacturing - Steel Upstream	2.76
Products Manufacturing - Hardwood Upstream*	0.00
Packaging Material 2 - Timber Upstream	-1.10
Packaging Material 2 - Transportation - All rigid vehicles	0.10
Packaging Material 2 - Uplift Factor Emissions	0.01
Final client Transport - Transportation - All rigid vehicles	0.99
Products Manufacturing - Uplift Factor Emissions	1.20
Products	0.37

<b>TOTAL</b>	26.17
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\* To be conservative in this projected PDS is has been assumed that all the products with multiple formats, such as benches, seats, tables and bench square platforms, were made with aluminium as it has the highest emissions of the three different options. As a result, the emissions from HDPE Upstream and Hardwood Upstream were zero in this projected scenario.

<b>Emissions intensity per functional unit</b>	0.340
<b>Number of functional units to be offset</b>	77
<b>Total emissions to be offset</b>	27

## 6. CARBON OFFSETS

### Offsets retirement approach

This certification has taken a forward offsetting approach. The total emission to offset is 27 t CO<sub>2</sub>e. The total number of eligible offsets used in this report is 27. Of the total eligible offsets used, 0 were previously banked and 27 were newly purchased and retired. 0 are remaining and have been banked for future use.

### Co-benefits

#### *Piccaninny Plains Carbon Abatement*

Piccaninny Plains is situated in the centre of Cape York Peninsula, about 500 km northwest of Cairns and 100 km south-east of Weipa. The sanctuary extends from the foothills of the McIlwraith Range to the western plains of the Gulf of Carpentaria and contains a remarkable diversity of ecosystems, ranging from rainforest to grassland to floodplains. The majority of Piccaninny Plains is covered by open woodlands and tropical grasslands which are home to well over a hundred species of birds and mammals. The plains contain a vast network of wetlands, which support resident and migratory waterbirds, fresh and saltwater crocodiles, aquatic snakes, 26 species of frogs, freshwater crabs, 4 turtles and 30 species of fish.

This project is managed by the Australian Wildlife Conservancy (AWC) and involves strategic and planned to burn in the early dry season (May - June) and, if required, fire suppression in the late dry season (October – December). Prescribed burning is delivered by aerial incendiary operations with supplementary ground burning operation. Every year, the reduction in wildfires across AWC's northern properties averts more than 100,000 tonnes of carbon from being emitted into the atmosphere. The savings in greenhouse gases going into the environment each year is equivalent to removing more than 25,000 vehicles off the road for a year. It also helps in the preservation of biodiversity as it has significant benefits for wildlife by reducing wildfires across all properties.

The key co-benefits of this project include:

- Supporting action to mitigate climate change.
- Reducing the devastating impact of wildfires at Cape York.
- Increasing the extent of “old growth” vegetation and dispersing it more evenly across the landscape.
- Protecting the exceptional conservation values of Piccaninny Plains, including a high number of threatened species and ecosystems.
- Establishing a catalytic model which aims to improve conservation and management across Cape York Peninsula - a region of international significance.



## Eligible offsets retirement summary

Offsets retired for Climate Active Carbon Neutral Certification											
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity retired (tCO <sub>2</sub> -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Piccaninny Plains Carbon Abatement	ACCUs	ANREU	05 Jun 2023	<a href="#">8,330,152,075 – 8,330,152,157</a>	2021-22	-	83	0	56	27	100%
Total offsets retired this report and used in this report										27	
Total offsets retired this report and banked for future reports									56		
Type of offset units		Eligible quantity (used for this reporting period)					Percentage of total				
Australian Carbon Credit Units (ACCUs)		27					100%				

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) Summary

N/A

## APPENDIX A: ADDITIONAL INFORMATION

N/A.

## APPENDIX B: ELECTRICITY SUMMARY

N/A.

## APPENDIX C: INSIDE EMISSIONS BOUNDARY

### Non-quantified emission sources

The following emissions sources have been assessed as attributable, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. They have been non-quantified due to one of the following reasons:

1. **Immaterial** <1% for individual items and no more than 5% collectively
2. **Cost effective** Quantification is not cost effective relative to the size of the emission but uplift applied.
3. **Data unavailable** Data is unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.
4. **Maintenance** Initial emissions non-quantified but repairs and replacements quantified.

Relevant non-quantified emission sources	Justification reason
Supplier cutting and fabricating	Immaterial

### Excluded emission sources

Attributable emissions sources can be excluded from the carbon inventory, but still considered as part of the emissions boundary if they meet **all three of the below criteria**. An uplift factor may not necessarily be applied.

1. A data gap exists because primary or secondary data cannot be collected (**no actual data**).
2. Extrapolated and proxy data cannot be determined to fill the data gap (**no projected data**).
3. An estimation determines the emissions from the process to be **immaterial**).

### Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.



## APPENDIX D: OUTSIDE EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to the product (do not carry, make or become the product) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

1. **Size** The emissions from a particular source are likely to be large relative to other attributable emissions.
2. **Influence** The responsible entity could influence emissions reduction from a particular source.
3. **Risk** The emissions from a particular source contribute to the responsible entity's greenhouse gas risk exposure.
4. **Stakeholders** The emissions from a particular source are deemed relevant by key stakeholders.
5. **Outsourcing** The emissions are from outsourced activities that were previously undertaken by the responsible entity or from outsourced activities that are typically undertaken within the boundary for comparable products or services.

## . Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Packaging waste	Y	N	N	N	N	<p><b>Influence:</b> We do not have the potential to influence the emissions from this source</p> <p><b>Risk:</b> The furniture has a significantly long lifespan, rendering its risk as irrelevant.</p> <p><b>Stakeholders:</b> The exclusion of the category by deeming it as irrelevant due to it being outside the gate.</p> <p><b>Outsourcing:</b> The disposal of packaging waste is done by the consumers, and it is not outsourced by Furphy's Foundry Sales Pty Ltd.</p>
Disposal of furniture	Y	N	N	N	N	<p><b>Influence:</b> We do not have the potential to influence the emissions from this source</p> <p><b>Risk:</b> The furniture has a significantly long lifespan, rendering its risk as irrelevant.</p> <p><b>Stakeholders:</b> The exclusion of the category by deeming it as irrelevant due to it being outside the gate.</p> <p><b>Outsourcing:</b> The disposal of furniture is done by the consumers, and it is not outsourced by Furphy's Foundry Sales Pty Ltd.</p>



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