




PUBLIC DISCLOSURE STATEMENT

STREET FURNITURE AUSTRALIA PTY LTD

**PRODUCT CERTIFICATION
FY2023–24 (PROJECTION)**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Street Furniture Australia 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>Kiara Spencer-Smith Senior Industrial Designer 10/05/2024</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	6,760 tCO ₂ -e
THE OFFSETS USED	100% VCU's
RENEWABLE ELECTRICITY	18.59%
CARBON ACCOUNT	Prepared by: Pangolin Associates Pty. Ltd.
TECHNICAL ASSESSMENT	28/08/2023 Pangolin Associates Next technical assessment due: FY 2026
THIRD PARTY VALIDATION	Type 3 14/12/2023 start2see

Contents

1. Certification summary.....	3
2. Carbon neutral information	4
3. Emissions boundary	6
4. Emissions reductions.....	9
5. Emissions summary.....	12
6. Carbon offsets	14
7. Renewable Energy Certificate (REC) summary	15
Appendix A: Additional information	16
Appendix B: Electricity summary	17
Appendix C: Inside emissions boundary	18
Appendix D: Outside emission boundary	19

2. CARBON NEUTRAL INFORMATION

Description of certification

This inventory is a projection for the financial year 1 July 2023 – 30 June 2024 based on data corresponding to the period 1 July 2021 – 30 June 2022. It covers the emissions generated by the operations of Street Furniture Australia Pty Ltd and the manufacturing of outdoor furniture sold by Street Furniture Australia Pty Ltd (cradle-to-grave excluding the use stage).

This is a child certification that shares the same system boundaries as the organisation parent certification (Street Furniture Australia Organisation Certification). As such, the system boundaries are broader than for a typical product footprint.

Product description

Street Furniture Australia designs and manufactures highly durable furniture for the public realm. The company uniquely runs both an R&D program and factory under one roof in Western Sydney, Australia.

Their product offering includes:

- Seats
- Benches
- Tables
- Shade structures
- Bollards
- Litter solutions
- Drinking fountains
- Planter boxes
- Tree Surrounds
- Accessories (e.g ash boxes, seat dividers etc)

Since 1986 they have supplied to more than 30,000 places in Australia and around the globe. Recent projects include the new Google Campus in Washington, Houston Botanic Garden and Long Island Rail Road in New York. All products are made-to-order, finished, quality-controlled and dispatched from the factory floor to ISO standards.

Street Furniture's mission is to bring enjoyment to all those who *create, build, maintain* and *use* public places. To achieve this, they are committed to:

- Creating spaces that make smiles.
- Caring design that treads lightly on the planet.
- Ensuring public spaces are accessible for everyone.
- Partnerships that help clients to create a sense of place.
- Long-term thinking, so their business and the spaces they help to create endure.

Considering the large variety of products sold to customers, it was not practical or cost effective to carry out separate Life Cycle Assessments (LCAs) for each type of furniture item. The approach taken was to utilise a financial metric and examine the emissions per \$ of product sold. Total emissions for all products sold in FY2022 were calculated from cradle-to-grave (excluding the use phase). This figure was then divided by total revenue from products sold, to arrive at kg CO₂-e/\$ revenue.

Most of the furniture items are made from timber and metal which is procured from third-party suppliers and manufactured and assembled at Street Furniture Australia's factory. The factory has facilities for metal fabrication, welding, powder coating and joinery with an adjacent warehouse and an office space above.

Functional unit

A functional unit is a quantifiable reference unit which should describe the function, duration and quality parameters of a product or service and its associated greenhouse gas emissions.

The functional unit of this certification is the total revenue from products sold during the reporting period. Emissions are expressed as kg CO₂-e/\$ revenue. It was decided to report emissions per total revenue from the sale of furniture items instead of emissions per item of furniture sold to avoid product emission comparison and misleading claims on product carbon impacts. Each furniture item has a unique design and is made of different combinations of materials, making it inaccurate to divide total emissions by the number of furniture items sold.

This is a full coverage certification and a cradle-to-grave assessment (excluding the use phase). Street Furniture has no control over how the furniture is used, hence the use stage of the product life cycle is excluded.

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' of a product or service. These attributable processes are services, materials and energy flows that become the product or service, make the product or service and carry the product or service 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 or service. 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

Accommodation and facilities

Air transport

Cleaning and Chemicals

Climate Active Carbon Neutral Product - Paper

Electricity

Employee commute

Food

ICT services and equipment

Land and sea transport

Metal input material

Office equipment & supplies

Postage, courier and freight
(including upstream freight of raw materials and downstream transport of sold furniture)

Products *(including the raw materials, product manufacture and packaging – see product process diagram)*

Professional Services

Refrigerants

Stationary energy

Waste

Water

Working from home

End of life treatment of sold products.

Non-quantified

N/A

Outside emission boundary

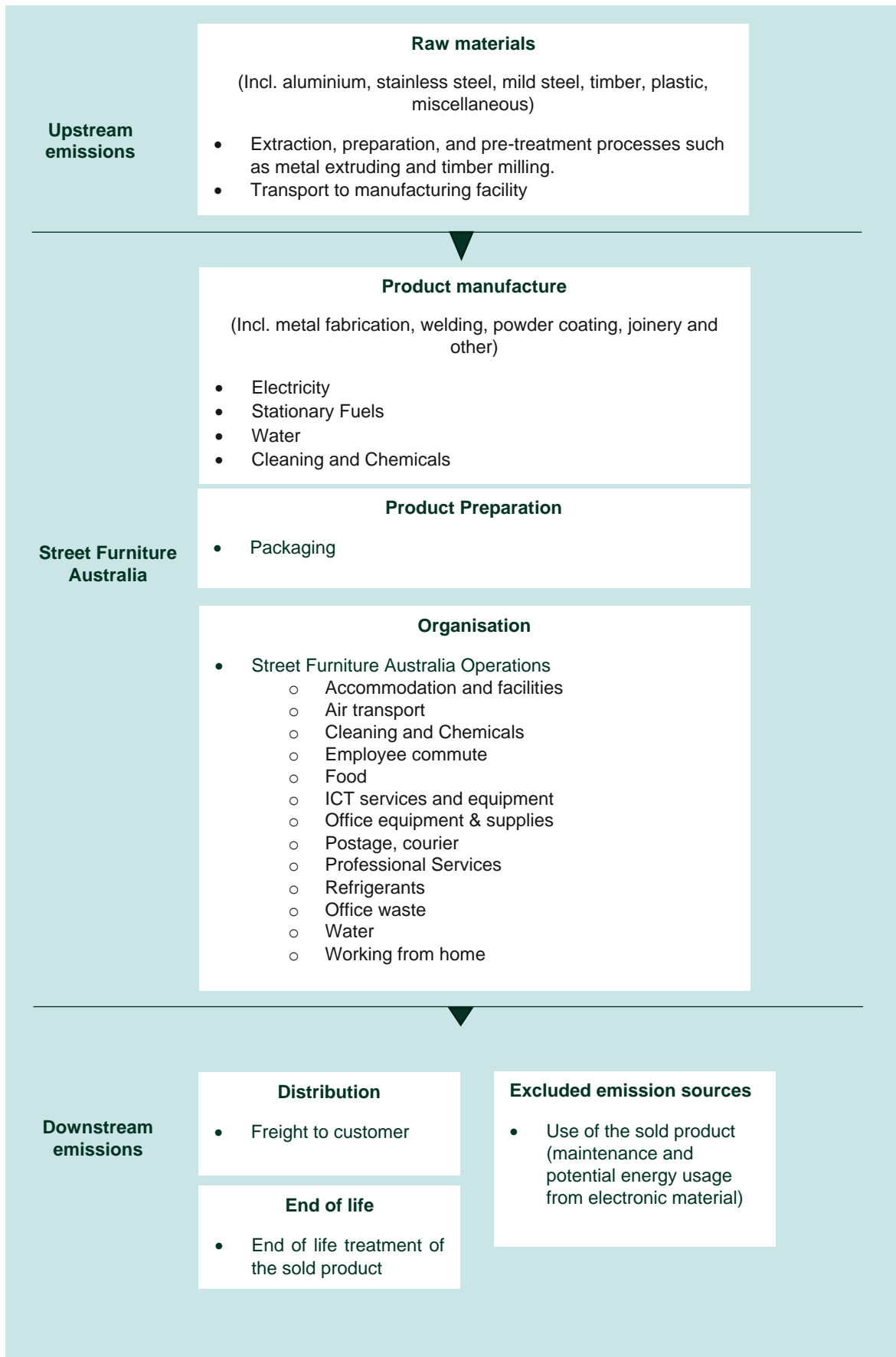
Non-attributable

Use of the furniture sold by Street

Furniture
(maintenance and potential energy usage from electronic material)

Product process diagram

The following assessment is cradle-to-grave. Street Furniture Australia has no control over how the sold furniture is used, hence the use stage of the product life cycle is excluded.



4.EMISSIONS REDUCTIONS

Emissions reduction strategy

Street Furniture Australia commits to reduce absolute scope 1 and 2 GHG emissions by 42% by 2030, compared to an FY22 base year. We also commit to reduce scope 3 GHG emissions by 15% per \$ of product sold by 2030, compared to an FY22 base year with a focus on reducing the emissions associated with our use of aluminium and steel.

As the bulk of our emissions are scope 3 and outside of our direct control, we will utilise the remainder of our first year of certification to engage deeply with our suppliers and sub-contractors on their climate change mitigation strategies. Based on the outcome of these discussions, a refined emissions reduction strategy will follow in FY25, which may include some adjustments to our scope 3 targets.

Scope 1 emissions will be reduced by:

- Evaluating the production implications and then preparing a business case to replace our existing gas fired powder coating oven with an electric powder coating oven by 2030 or earlier. Pending approval from the board, this will significantly reduce our use of LPG gas. LPG gas accounted for 99.9% of our stationary fuel use and stationary fuels represented 90.1% of Scope 1 emissions in our FY22 base year.

Scope 2 emissions will be reduced by:

- Transitioning to 80% renewable energy by 2025 and 100% renewable energy by 2030. We will achieve this through one, or a combination of the following measures:
 - Purchasing certified Greenpower grid electricity
 - Installing solar panels on the factory roof at our Regents Park premises.

Scope 3 emissions will be reduced by:

Focusing on our use of Aluminium and Steel which accounted for 76.2% of our scope 3 emissions. Reducing the emissions in this area will largely depend on sectorial decarbonization of the aluminium and steel industry.

Aluminium

Aluminium accounted for 62.8% of our Scope 3 emissions in our FY22 base year. We will reduce the emissions associated with this material by switching to low carbon aluminium where possible. This will involve actively engaging with existing suppliers and scoping out new suppliers where applicable.

Typically low carbon aluminium refers to aluminium with a carbon intensity less than the 'global average'. This could mean the product contains recycled content, but current market products are much more likely to be virgin aluminium produced with a percentage of, or entirely with renewable energy.¹

¹ Low Carbon Aluminium Specification Guide, MECLA

We will also support sectorial decarbonization of the aluminium industry by adopting the following measures suggested by the Materials and Embodied Carbon Leaders' Alliance (MECLA) where possible:

- Supporting suppliers with clear climate change commitments and a decarbonization pathway to support their targets.
- Supporting suppliers who are transparent e.g. have a product-specific Environmental Product Declaration (EPD).
- Nominating Aluminium Stewardship Initiative (ASI) certified aluminium.
- Supporting suppliers who are participating in emissions reduction and research and development activities

In addition to this, we commit to investigating low-carbon alternatives to aluminium battens for use in the future. Aluminium batten extrusions accounted for 46.8% of our aluminium usage in our FY22 base year.

Steel

Steel (SS316, SS304 and mild steel) accounted for 13.5% of our Scope 3 emissions in our FY22 base year.

Currently, the availability of low-carbon steel (made using renewable energy and using recycled steel scrap) is still limited.

The International Energy Agency (IEA) roadmap projects that the broad deployment of breakthrough (steel) technology will accelerate between 2030 and 2050. However, we can expect to see first movers trial and implement first of a kind plants providing increased quantities of low-carbon steel to the market from the mid-2020s.²

Therefore, at present, our efforts will focus on supporting sectorial decarbonization of the steel industry by adopting measures suggested by the Materials and Embodied Carbon Leaders' Alliance (MECLA):

- Supporting suppliers with clear climate change commitments and a decarbonization pathway to support their targets.
- Supporting suppliers who are transparent e.g. have a product-specific Environmental Product Declaration (EPD)
- Specifying steel from suppliers who are certified to a credible stewardship scheme e.g. ResponsibleSteel™
- Supporting suppliers who are participating in emissions reduction and research and development activities e.g. Australian Industry Energy Transitions Initiative / worldsteel StepUp™ Program

In addition to the above we will also

- Endeavor to improve the quality of our product related data and therefore, improve the monitoring and management of our emissions. Measures will include progressively adding weights to all cast, laser and fabricated component stock listings in our project management software and obtaining supplier specific emission factors.

Business operations

² Public Policy Paper: Climate change and the production of iron and steel, World Steel Association, 2021

The remainder of our scope 3 emissions are from our business operations. The following actions will be implemented in the next 3-5 years to reduce scope 3 emissions:

- Collaborate with our service suppliers (telecommunications, software, IT, advertising, freight) to obtain accurate greenhouse gas emissions totals for the service they supply and encourage them to implement an emission reduction strategy.
- Reduce business flights to only necessary travel and shift to lower carbon travel options where possible.

5. EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

Certified brand name	Product/Service/Building/Precinct used
Reflex	Paper

Emissions summary

Emission category	Sum of total emissions (t CO ₂ -e)
Accommodation and facilities	0.19
Cleaning and Chemicals	2.93
Climate Active Carbon Neutral Products and Services	0.00
Construction Materials and Services	25.67
Electricity	132.84
Food	7.19
ICT services and equipment	66.66
Office equipment & supplies	10.13
Postage, courier and freight	235.25
Products	5659.25
Professional Services	93.96
Refrigerants	20.19
Stationary Energy (gaseous fuels)	0.01
Stationary Energy (liquid fuels)	343.49
Transport (Air)	10.28
Transport (Land and Sea)	77.85
Waste	60.01
Water	5.67
Working from home	8.35
Total emissions	6759.93

Emissions intensity per functional unit (including any uplifts required)	0.47 kg CO ₂ -e/\$ revenue
Number of functional units to be offset (certified)	CONFIDENTIAL
Total emissions to be offset (certified)	6,760

Breakdown of emissions per scope and per functional unit:

Scope 1 (tCO₂-e)	Scope 2 (tCO₂-e)	Scope 3 (tCO₂-e)
359.82	119.7	6280.4
Scope 1 (kg CO₂-e per \$ revenue from product sold)	Scope 2 (kg CO₂-e per \$ revenue from product sold)	Scope 3 (kg CO₂-e per \$ revenue from product sold)
0.02	0.01	0.43

6. CARBON OFFSETS

Offsets retirement approach

This is a child certification that shares the same system boundaries as the organisation parent certification (Street Furniture Australia Organisation Certification). Hence offset retirement details are available in the Organisation certification PDS.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

This is a child certification that shares the same system boundaries as the organisation parent certification (Street Furniture Australia Organisation Certification). Hence electricity reporting details are available in the Organisation certification PDS.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission and excluded emission sources

There are no non-quantified and excluded emissions sources as part of the emissions boundary in this certification.

Data management plan for non-quantified sources

N/A

APPENDIX D: OUTSIDE EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product or service (do not carry, make or become the product/service) 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
Use phase of the furniture sold by Street Furniture	N	Y	N	N	N	<p>Size: The furniture items require maintenance which would generate emissions during their use phase. The potential source of energy use is electricity usage from the electronic item used in some of the furniture sold (only 2 products sold have electronic items embedded and represent 0.2% of total products sold. The estimated electricity consumption from those items would be responsible for less than 0.2% of total emissions). Timber furniture requires regular maintenance (oiling) and steel/ aluminium furniture may require re-powder coating. However those activities would generate emissions that are immaterial compared to the manufacturing embodied emissions of the furniture. They are also out of direct control from Street Furniture and would vary from one customer to another and form the different usage of the sold product.</p> <p>Influence: Street Furniture Australia does have the potential to influence the emissions from this source through the design of its products.</p> <p>Risk: There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest.</p> <p>Stakeholders: Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our product/service, for which most of the emissions are defined at the design stage in the choice of materials we use.</p> <p>Outsourcing: We have not previously undertaken this activity within our emissions boundary and comparable products/services do not typically undertake this activity within their boundary.</p>



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