PUBLIC DISCLOSURE STATEMENT

FURPHY'S FOUNDRY SALES PTY LTD

PRODUCT CERTIFICATION
TRUE-UP: FY2023–24

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Furphy's Foundry Sales Pty Ltd
REPORTING PERIOD	True-up: Financial year 1 July 2023 – 30 June 2024
DECLARATION	*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.* Christopher Holly CFO 6/10/2-25

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

Version 9.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	True-up: 51.08 tCO2-e Projection: 26.78 tCO2-e Total: -24.30 tCO2-e
CARBON OFFSETS USED	100% ACCUs
RENEWABLE ELECTRICITY	36.67 %
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

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2.CERTIFICATION INFORMATION

Description of product certification

This product certification is for the street and park furniture range called “Nuvo” manufactured by Furphy`s Foundry Sales Pty Ltd.

- Functional unit: tCO_2-e/ unit sold of the "Nuvo" furniture range
- Offered as: full coverage product
- Life cycle: cradle-to-grave. This cradle-to-grave approach for the true-up accounts for emissions from the entire product lifecycle, including furniture and packaging waste.

The responsible entity for this product certification is Furphy`s Foundry Sales Pty Ltd, ABN 29 082 694 880.

This Public Disclosure Statement includes the true-up information for FY2023-24.

The “Nuvo” range covered under this certification includes the following products:

- Nuvo bench (Bench 1800mm long)
- Nuvo seat (Seat 1800mm long)
- Nuvo bin enclosures (120L and 240L capacity)
- Nuvo café setting (Table 828mm long + 4 seats 600mm long)[1]
- Nuvo picnic setting (Table 1800mm long + 2 benches 1800mm long)[1]
- Nuvo platform bench (Bench square platform)
- Nuvo shelter

All products, except the shelters and bins, are available with three slat material options: Hardwood Timber, Aluminium, or HDPE. For further information regarding carbon neutral certified Street and Park Furniture Nuvo range, please visit our website.

Description of business

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, the company has achieved full coverage Carbon Neutral product certification for its Nuvo range.

[1] These products have been added or updated from the projection report.

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.

Emissions boundary for FY2023-24 (true-up)

Inside emissions boundary

Quantified

Upstream emissions:

- Products Manufacturing (including aluminium, steel, steel galvanized, packaging materials…)
- Roads and landscape (concrete products)
- Upstream transport (land and sea)

Production delivery:

- Electricity

Downstream emissions:

- Transport (land) (including downstream transportation and transportation to client)
- End-of-life treatment of sold products
- Packaging waste disposal (wood)

Non-quantified

Supplier Cutting and Fabricating

Packaging waste disposal (plastic)

Optionally included

N/A

Outside emission boundary

Non-attributable

Usage and maintenance of sold products (e.g., electricity consumption by electronic components)

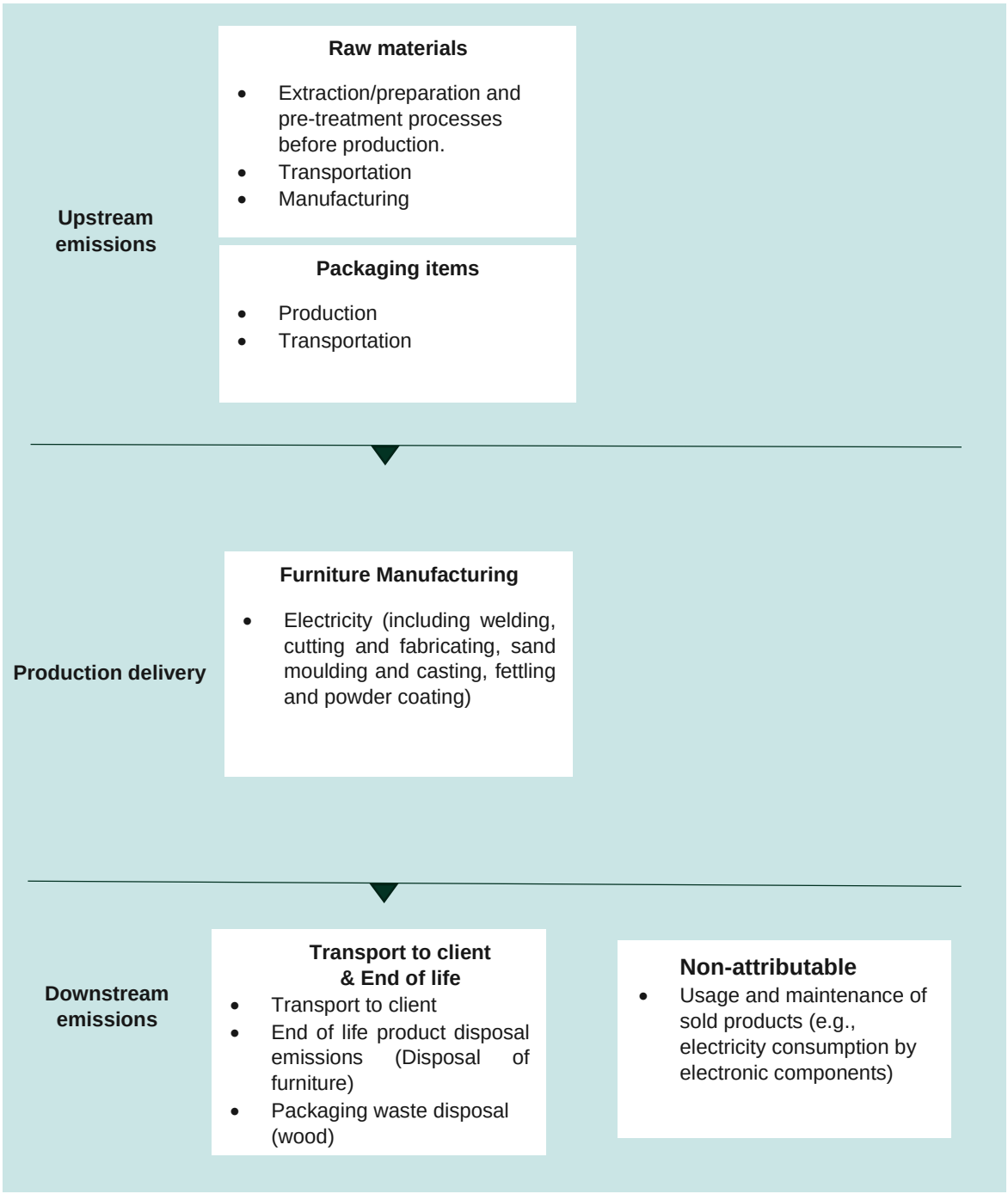
The emissions boundary categories in the FY2023–24 true-up were reorganized and consolidated compared to the FY2023–24 projection, to better represent the emissions, as outlined below.

FY2023-24 (True-up)	FY2023-24 (Projection)
Electricity	Sand Mould and Casting Aluminium Process
Products Manufacturing (including aluminium, steel, steel galvanized, packaging materials…)	Cast Aluminium Upstream Aluminium Upstream Stainless Steel Upstream Powder Coating Upstream HDPE Upstream Steel Galvanized Upstream Steel Upstream Hardwood Upstream Timber Upstream Uplift Factor Emissions - Product Manufacturing
Roads and landscape (concrete products)	-
Upstream transport (land and sea)	Transportation to site Transportation - All rigid vehicles
Transport (land) (including downstream transportation and transportation to client)	Transportation - All rigid vehicles Transportation to client
End of life product disposal emissions	Plastic Packaging
Packaging waste disposal (wood)	Uplift Factor Emissions - Packaging

Additionally, a cradle-to-grave approach was applied in the FY2023–24 true-up; consequently, emissions from the end-of-life treatment of sold products were included in the inventory.

Product process diagram for FY2023-24 (true-up)

The following diagram is the cradle-to-grave diagram for this certification. 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. Additionally, this cradle-to-grave approach for the true-up accounts for emissions from the entire product lifecycle, including furniture and packaging waste. The updated process is illustrated 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 Recycled Aluminium Castings and FSC-certified sustainably sourced timber. The company also offers WPC (Wood Plastic Composite), an environmentally friendly material with better mechanical properties than traditional products.

Furphy's Foundry Sales is committed to reducing 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 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.

Emissions reduction actions

For Scope 2, Furphy's Foundry Facility has solar systems installed, and over 22% of the total electricity used coming from behind the meter renewable sources. We plan to expand our solar capacity and increase our GreenPower purchases to further reduce our environmental impact.

For Scope 3, the Nuvo range includes products like the Nuvo bench, seat, platform bench, bin enclosures (120L and 240L capacity), café setting, picnic setting, and shelter. Except for the bins and shelter, all these products feature a Recycled Cast Aluminium Frame, which helps reduce energy use and greenhouse gas emissions by up to 95% by using recycled aluminum. Additionally, the range offers Solar Lighting Kits for a more eco-friendly lighting solution and FSC-certified sustainably sourced timber.

In FY2023-24, the Nuvo products manufactured by Furphy primarily utilised raw aluminium materials, such as ATE battens and aluminium panels, due to higher sales of shelters and bins. These materials have higher emissions compared to other Nuvo products, such as seats and benches, which are made using cast aluminium from recycled aluminium ingots. As a result, the increased sales of shelters and bins significantly contributed to higher aluminium usage and emissions intensity, with raw aluminium production being one of the largest contributors to the inventory's overall emissions.

5.EMISSIONS SUMMARY

Significant changes in emissions for FY2023-24 (true-up)

Significant changes in emissions			
Attributable process	**Projected emissions** ($t CO_2$-e)	**Actual emissions** ($t CO_2$-e)	**Reason for change**
Aluminium Upstream	14.80	38.07	Aluminium consumption increased due to a higher material requirement per product than initially estimated during the prototype phase in FY24.

Use of Climate Active carbon neutral products, services, buildings or precincts for FY2023-24 (true-up)

Certified brand name	Product/Service/Building/Precinct used
EnergyLink Services	Environmental Consulting Services

Emissions summary for FY2023-24 (true-up)

Life cycle stage / Attributable process / Emission source	Projection tCO_2-e	True-up tCO_2-e
Electricity	-	0.44
Cast Aluminium Upstream	1.28	-
Aluminium Upstream	14.8	38.07
Steel Galvanized Upstream	3.91	0.31
Steel Upstream (including Stainless Steel)	2.87	4.94
COLORBOND Steel Upstream	-	0.08
Paint	0.52	0.22
Upstream and Downstream transportation	2.2	3.32
Packaging Material (plastic, wood and others)	-	1.95
Waste	-	1.01
Uplift factor (Supplier Cutting and Fabricating) 1%	-	0.50
Uplift factor (Packaging waste disposal: plastic) 0.5%	1.20	0.25
Attributable emissions (tCO_2-e)	26.78	51.08

Product / Service offset liability	Projection	True-up
Emissions intensity per functional unit	0.340 tCO_2-e/ unit sold of the "Nuvo" furniture range	2.097 tCO2-e/ unit sold of the "Nuvo" furniture range
Emissions intensity per functional unit including uplift factors	0.340	2.128
Number of functional units covered by the certification	77	24
Total emissions (projected, tCO_2-e)	**26.78**	
Total emissions (actual, tCO_2-e) to be offset		**51.08**
Difference between projected and actual emissions	24.30 tCO_2-e	

The previous report was a projection report using representative data to estimate the emissions for the reporting year. This table shows the differences between projected emissions and actual emissions. The variance of 24.30 tCO_2-e is due to the higher material requirement per product than initially estimated during the prototype phase in FY24.

Additionally, all products, except for bins and shelters, feature a Recycled Cast Aluminium Frame, which reduces energy use and greenhouse gas emissions by up to 95% through the use of recycled aluminium. In FY2023-24 True-up, the Nuvo products manufactured by Furphy primarily utilised raw aluminium materials, such as ATE battens and aluminium panels, due to higher sales of shelters and bins. These materials have higher emissions compared to other Nuvo products, such as seats and benches, which are made using cast aluminium from recycled aluminium ingots. As a result, the increased sales of shelters and bins significantly contributed to higher aluminium usage and emissions intensity, with raw aluminium production being one of the largest contributors to the inventory's overall emissions.

6.CARBON OFFSETS

Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Australian Carbon Credit Units (ACCUs)	52	100%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
Piccaninny Plains Carbon Abatement	ACCUs	ANREU	05/06/2023	8,330,152,075 – 8,330,152,157	2021-22	83	0	31	52	100%

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.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

OFFICIAL

Australian Government
Clean Energy Regulator

06 June 2023 VC202223-00173

To whom it may concern,

Voluntary cancellation of units in ANREU
This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, ENERGYLINK SERVICES PTY LTD (account number AU-3226).

The details of the cancellation are as follows:

Date of transaction	05 June 2023
Transaction ID	AU27692
Type of units	KACCU
Total Number of units	83
Serial number range	8,330,152,075 – 8,330,152,157
ERF Project	Piccaninny Plains Carbon Abatement – EOP100549
Vintage	2021-22
Transaction comment	Cancelled to meet Furphy`s Foundry Sales Pty Ltd (trading as Furphy Foundry) FY2023-24 Climate Active Requirements

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website, http://www.cleanenergyregulator.gov.au/OSR/ANREU/Data-and-information.

If you require additional information about the above transaction, please email CER-RegistryContact@cer.gov.au

Yours sincerely,

David O'Toole
ANREU and International
NGER and Safeguard Branch
Scheme Operations Division
Clean Energy Regulator
CER-RegistryContact@cer.gov.au www.cleanenergyregulator.gov.au

CLEAN ENERGY REGULATOR

OFFICIAL

APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

Location-based method

The location-based method provides a picture of a business's electricity emissions in the context of its location, and the emissions intensity of the electricity grid it relies on. It reflects the average emissions intensity of the electricity grid in the location (State) in which energy consumption occurs. The location-based method does not allow for any claims of renewable electricity from grid-imported electricity usage.

Market-based method

The market-based method provides a picture of a business's electricity emissions in the context of its renewable energy investments. It reflects the emissions intensity of different electricity products, markets and investments. It uses a residual mix factor (RMF) to allow for unique claims on the zero emissions attribute of renewables without double-counting.

For the true-up reporting year, electricity emissions have been set by using the **market-based approach**.

Market-based approach summary

Market-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)	Renewable percentage of total
Behind the meter consumption of electricity generated	168	0	22%
Total non-grid electricity	168	0	22%
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	0	0	0%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	111	0	15%
Residual Electricity	482	439	0%
Total renewable electricity (grid + non grid)	279	0	37%
Total grid electricity	593	439	15%
Total electricity (grid + non grid)	761	439	37%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	482	439	
Scope 2	429	391	
Scope 3 (includes T&D emissions from consumption under operational control)	53	48	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	**36.67%**
Mandatory	**14.59%**
Voluntary	**0.00%**
Behind the meter	**22.09%**
Residual scope 2 emissions (t CO_2-e)	**0.39**
Residual scope 3 emissions (t CO_2-e)	**0.05**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.39**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.05**
Total emissions liability (t CO_2-e)	**0.44**

Figures may not sum due to rounding. Renewable percentage can be above 100%

Location-based approach summary

Location-based approach	Activity Data (kWh) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	**100%**	**(kWh)**	**Scope 2 Emissions ($kgCO_2$-e)**	**Scope 3 Emissions ($kgCO_2$-e)**	**(kWh)**	**Scope 3 Emissions ($kgCO_2$-e)**
ACT	0	0	0	0	0	0
NSW	593	593	403	30	0	0
SA	0	0	0	0	0	0
VIC	0	0	0	0	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	593	593	403	30	0	0
ACT	0	0	0	0		
NSW	168	168	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	168	168	0	0		
Total electricity (grid + non grid)	761					

Residual scope 2 emissions (t CO_2-e)	**0.40**
Residual scope 3 emissions (t CO_2-e)	**0.03**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.40**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.03**
Total emissions liability	**0.43**

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO_2-e)
N/A	**0**	**0**

Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market-based method is outlined as such in the market based summary table.

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO_2-e)
N/A	**0**	**0**

Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market based summary table.

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	
	FY2023-24True-up emissions boundary	FY2023-24 Projection emissions boundary
Supplier Cutting and Fabricating	Cost effective	Immaterial
Packaging waste disposal (plastic)	Cost effective (cradle-to-grave approach)	Non-attributable (cradle-to-gate approach)

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**).

Emissions Source	No actual data	No projected data	Immaterial
N/A	-	-	-

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 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.

For the projected FY2023-24 year, the treatment of packaging waste and furniture disposal were considered non-attributable emission sources due to the cradle-to-gate approach. However, the cradle-to-grave approach was applied in the FY2023-24 true-up, accounting for emissions from the entire product lifecycle, including furniture and packaging waste.

Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification	
						FY2023-24 True-up emissions boundary	FY2023-24 Projected emissions boundary
Usage and maintenance of sold products (e.g., electricity consumption by electronic components)	N	Y	N	N	N	**Size:** Out of the eight products, only shelters use electronic components, and the Nuvo range offers Solar Lighting Kits. This emissions source is estimated to be less than 0.5% of the total emissions, which is small compared to other sources. **Influence:** We do have the potential to influence the emissions from this source. **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. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our product. **Outsourcing:** We have not previously undertaken this activity within our emissions boundary and comparable products do not typically undertake this activity within their boundary.	**Size:** N/A **Influence:** N/A **Risk:** N/A **Stakeholders:** N/A **Outsourcing:** N/A

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