



PUBLIC DISCLOSURE STATEMENT

MERCHANTS OF THE SUN

PRODUCT CERTIFICATION
FY2022–23


Australian Government
Climate Active
Public Disclosure Statement

Merchants.



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Merchants of the Sun
REPORTING PERIOD	Financial year 1 July 2022 – 30 June 2023 Arrears report
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>Rhyland Horthy-Banks Director 25th March 2024</p>



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

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Version: August 2023



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	343 tCO ₂ -e
THE OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	18.80%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	26/10/2022 Pangolin Associates Next technical assessment due: FY2025

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2. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year 1 July 2022 – 30 June 2023 and covers the jewellery items sold by Merchants Label Pty Ltd (trading as Merchants of the Sun) in Australia and internationally (full coverage across the studied period).

This is a child certification that shares the same system boundaries as the organisation parent certification (Merchants of the Sun Organisation Certification).

Product description

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 product. The approach taken was to categorise Merchants of the Sun's product range into 1 product (one average piece of jewellery). Total emissions for each of the jewel were calculated from cradle to grave and the emissions per product item estimated based on the total number of units sold.

Most of the jewellery items are made from recycled silver (except chains for the pendants and a few gold jewelleryes) in Indonesia.

Functional unit

The functional unit in the product LCA is one average jewellery item sold by Merchants of the Sun (in Australia and overseas) during FY2022/23.

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

Organisation

Accommodation and facilities
Air Transport
Cleaning and Chemicals
Electricity
Food
ICT services and equipment
Land and Sea Transport
Machinery and vehicles
Office equipment & supplies
Postage, courier, and freight
Professional Services
Taxi
Refrigerants
Waste
Employee commute
Working from home

Emissions quantified as part of the Product Certification:

Raw materials
Manufacturing (Indonesian / Chinese operations)
Packaging
Freight
Disposal

Non-quantified

Water

Optionally included

N/A

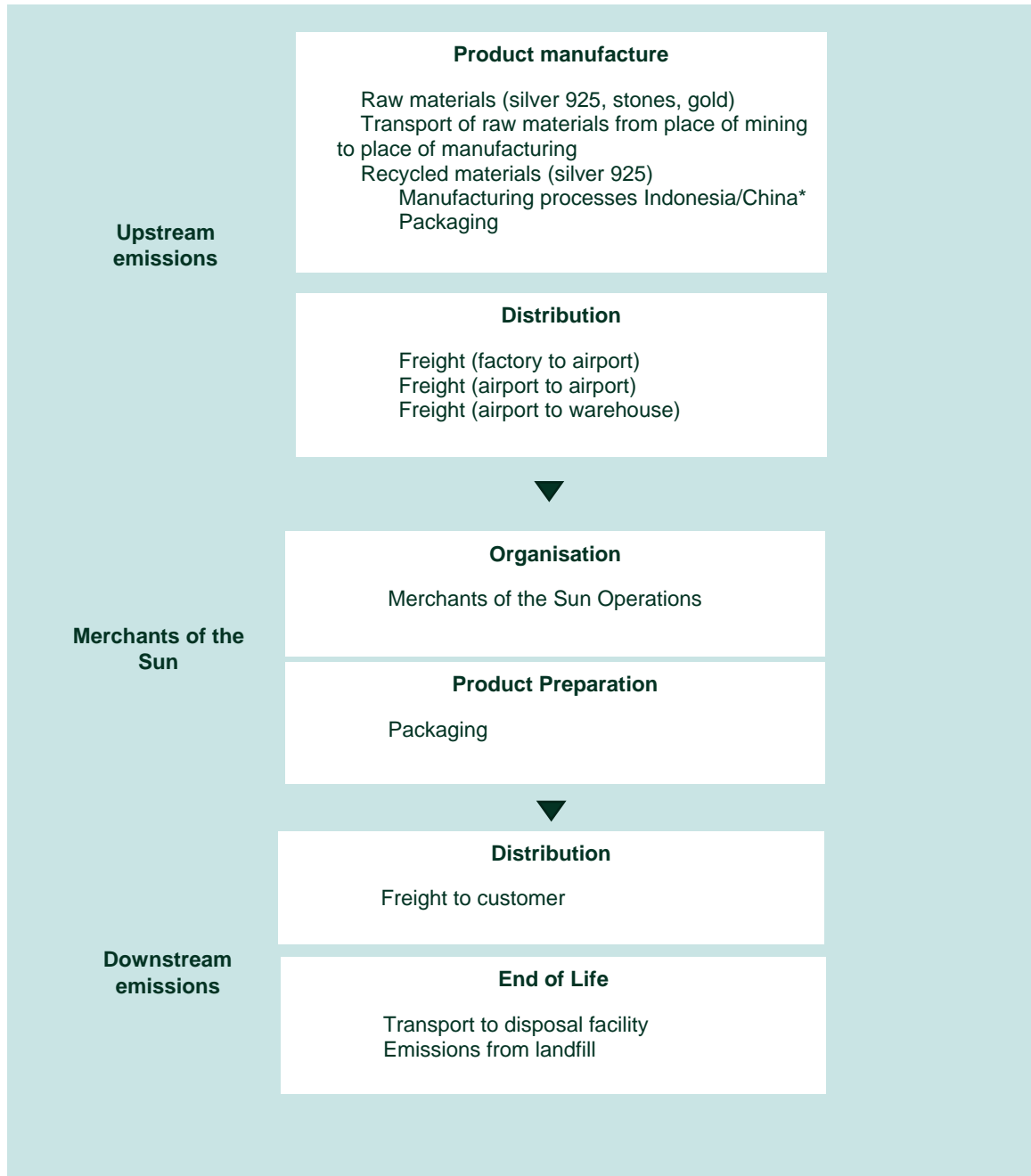
Outside emission boundary

Non-attributable

Products sold:
Accessories (sticker, keychain, gift box, Twin Fin, Leather keychain)

Product process diagram

The following assessment is cradle to grave.



*To quantify manufacturing activities and emissions in Bali, actual electricity and fuel consumption data were used (natural gas, fuel, water and electricity), and region-specific emission factors were applied for Indonesia. To quantify manufacturing activity and emissions in China, no actual utilities consumption data was available. An uplift of 50% has been applied to Indonesian data to estimate Chinese manufacturing emissions. The manufacturing emissions exclude employee-related activities at the manufacturing sites (no operational control from Merchants of the Sun).

4.EMISSIONS REDUCTIONS

Emissions reduction strategy FY2024 to FY2027

IN-HOUSE RECYCLING AND RENEWABLES

- GreenPower is to be completed by June 2024.
- TerraCycle is to be implemented by June 2024.

PRODUCTION/PRODUCT

- We have changed our complimentary ring sizer in every packaging to an add-on to reduce our ring sizer output from 14,356 Ring Sizers in 2023 to 6271 Ring Sizers in 2024 YTD, a 43.68% reduction in our virgin plastic output. We are investigating a recyclable variation of this product as an interim solution until we can implement our technology-based solution.
- Successfully Introduced Close the Loop Program – 12 orders returned to date. The forward plan is to increase uptake on this by 10% YOY.
- Investigate Solar Options for the Indonesian Factory + Indonesian House of Merchants.
- New Chain Supplier RJC Registered + Recycled Supplier Registration - 100% by 2024/2025.
- Become waste-free by the end of 2027 across all production and retail areas.

PACKAGING

- Redesigned packaging and introduced Sugarflex Recyclable Packaging, roll out of implementation in the supply chain by November 2024.
- All other packaging components are recyclable or made from recyclable materials. We are still investigating natural mycelium packaging; however, we had issues with the import/export of live products.
- Review refineries for Gold recycling by 2025.

ETHICAL CONDUCT

- Registration with BCorp - All applications are in the final processing stage by June 2024.
- Responsible Jewellery Council Registration by June 2025.

PROJECTS / CARBON COMMITMENT

- Rimba Raya Bio-Diversity Carbon Offsets

Emissions reduction actions in FY2023

IN-HOUSE RECYCLING

- Goals not achieved were postponed to FY2024; please see above.

PRODUCTION/PRODUCT

- We have changed our complimentary ring sizer in every packaging to an add-on to reduce our ring sizer output from 14,356 Ring Sizers in 2023 to 6271 Ring Sizers in 2024 YTD, a 43.68% reduction in our virgin plastic output.
- We are investigating a recyclable variation of this product as an interim solution until we can implement our technology-based solution.
- Successfully introduced Close the Loop Program. Four orders returned in June of 2023 upon launch. In 2024 YTD, we have had eight returns so far. We plan on revamping our loyalty program, email marketing channels, and sustainability pages to encourage people to participate in our Close the Loop Program.
- Due to recycled-sourced silver certification and analysis, our Scope 3 emissions were reduced by 20.92% for raw materials and 22.94% for advertising emissions in 2022-23.
- At this stage, we are at a standstill with the refinery of Gold Sourcing (i.e. using all raw materials for gold).

PACKAGING

- All packaging components are recyclable or made from recyclable materials. We are still investigating natural mycelium packaging; however, we had issues with the import/export of live products.

ETHICAL CONDUCT

- Implemented Supplier Code of Conduct, Conflict Minerals Policy and Ethical Marketing Policy as documented on our transparency page. (<https://merchantsofthesun.com.au/pages/transparency>)

PROJECTS / CARBON COMMITMENT

- Rimba Raya Bio-Diversity Carbon Offsets.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e	Emissions intensity of the functional unit
Base year:	2020–21	110	0.01665
Year 1:	2021–22	290	0.01653
Year 2:	2022–23	343	0.01532

Significant changes in emissions

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Product - Raw Materials	85.1	67.3	In FY23 the emission factor for silver was changed to account for recycled silver whereas in FY22 a virgin silver emission factor was applied. Partly off-set by increased sales volume.
Product - Distribution to Customers	29.2	37.7	Increased sales volume.
Advertising services	68.0	52.4	Reduction in advertising spend in FY23.

Use of Climate Active carbon neutral products and services

Certified brand name	Product or Service used
Pangolin Associates	Consulting services

Emissions summary

Stage / Attributable Process / Source	tCO ₂ -e
Raw Materials	67.34
Manufacturing	27.95
Packaging	3.44
Upstream Freight	1.03
Organisation	200.99
Distribution to Customers	37.70
Disposal Emissions	4.14
Emissions intensity per functional unit (including any uplifts required)	0.01532
Number of functional units to be offset (certified)	22,485
Total emissions to be offset (certified)	343

The following table summarises the product emissions per type of jewel (excluding organisation emissions).

Merchants of the Sun Product Family	Product Name	kg CO ₂ -e/jewel
Chain	The Dusk Chain Bracelet	4.17
Chain	The Dusk Chain Necklace	5.93
Chain	The Rover Chain	4.47
Chain	The Dusk Bracelet - Gold	20.74
Chain	The Liminal Chain	5.43
Chain	The Liminal Chain - Gold	22.17
Chain	The Nyx Chain	3.74
Chain	The Nyx Chain - Gold	21.59
Chain	Helios Bracelet II	6.10
Chain	Rolo Chain Gold	7.32
Chain	Rolo Chain Silver	2.57
Chain	Rope Chain Gold	7.34
Chain	Rope Chain Silver	2.59
Chain	Rope chain 54cm	2.59
Chain	Silver 54cm Rope Chain	2.60
Chain	Silver Rolo Chain 50 cm	2.60
Chain	The Dusk Bracelet Gold	20.74
Chain	The Dusk Chain – Bracelet	4.17
Chain	The Dusk Chain – Necklace	5.45
Chain	The Dusk Chain – Necklace Gold	94.41

Chain	The Dusk Chain Bracelet Small – 18cm	4.17
Chain	The Dusk Chain Necklace Gold	94.41
Chain	The Nyx Chain Necklace Gold	21.59
Chain	The Rover Chain Bracelet	2.59
Cuff	Coyote Cuff	5.74
Cuff	The Sungazer Cuff	5.74
Cuff	The Sungazer Cuff - Gold	22.34
Cuff	Cadence Cuff	5.67
Cuff	Cadence Cuff Gold	27.99
Cuff	Lacuna Cuff	5.23
Cuff	Lure Cuff	5.23
Cuff	Lure Cuff Gold	50.83
Cuff	The Sungazer Cuff Gold	22.34
Pendant	Nomad Pendant	3.22
Pendant	Switch Pendant	4.93
Pendant	The Daisy Chain	3.44
Pendant	The Nomad Pendant	4.29
Pendant	Lucky Pendant	3.44
Pendant	Switch Pendant - Gold	1.92
Pendant	The Hermes Pendant	3.22
Pendant	The Hermes Pendant - Gold	19.96
Pendant	The Lovers Pendant	2.60
Pendant	The Lovers Pendant - Gold	19.34
Pendant	The Memento Pendant	3.21
Pendant	Envy Pendant	3.08
Pendant	Envy Pendant Gold	26.92
Pendant	Gravitas Pendant	3.22
Pendant	Gravitas Pendant Gold	12.71
Pendant	Hallmark Pendant	3.44
Pendant	Hallmark Pendant Gold	12.94
Pendant	Hermes Pendant Gold 54cm	12.71
Pendant	Lucky Pendant (Double Sided)	3.44
Pendant	Lucky Pendant Gold	12.94
Pendant	Shell Pendant (paralian)	3.22
Pendant	Switch Pendant Gold	12.53
Pendant	Switch Pendant Necklace - 50cm	2.65
Pendant	The Lovers Pendant Gold	19.34
Pendant	The Nomad Gold Pendant Only	7.09
Pendant	The Nomad Pendant - Gold	3.60
Pendant	The Sempre Eye—A Corlett Exclusive	2.60
Pendant	Twin Flame Pendant	3.21
Pendant	Twin Flame Pendant Gold	12.71
Pendant	Twin Flame Pendant Gold Necklace - 50cm	12.71

Pendant	Twin Flame Pendant Necklace - 54cm	3.21
Ring	Azuli Trader	3.91
Ring	Cherry Bomb	3.84
Ring	Howlite Trader	3.91
Ring	Mr Modest	3.92
Ring	Poseidon's Mistress	3.92
Ring	Sunwalker	3.74
Ring	The Blank	3.66
Ring	The Envy	3.92
Ring	The Godfather	3.92
Ring	The Papillon	3.92
Ring	The Solywoda	3.92
Ring	Trust No One	3.92
Ring	Coco Signet	4.18
Ring	Mr Modest - Gold	19.35
Ring	Sunwalker - Gold	20.02
Ring	The Albatross	3.92
Ring	The Blank - Gold	20.40
Ring	The Circadian - Gold	19.76
Ring	The Circadian Ring	3.23
Ring	The Dusk Ring	2.69
Ring	The Dusk Ring - Gold	19.43
Ring	The Envy - Gold	19.80
Ring	The Godfather - Gold	20.81
Ring	The Liminal Ring	2.69
Ring	The Papillon - Gold	20.16
Ring	'Dancing In Dark' Yin Yang Signet	3.24
Ring	'Dancing In Dark' Yin Yang Signet Gold	12.70
Ring	'Dancing In Dark' Yin Yang Signet Gold 8	12.70
Ring	'Land & Sea' Lion Signet Ring	3.24
Ring	'Land & Sea' Lion Signet Ring Gold	12.70
Ring	'Made of Water' Whale Signet	3.24
Ring	'Made of Water' Whale Signet Gold	12.70
Ring	'Made of Water' Whale Signet Gold 6.5	12.70
Ring	'Tattoos' Mushroom Ring	3.24
Ring	'Tattoos' Mushroom Ring Gold	12.70
Ring	888 Ring	3.15
Ring	888 Ring Gold	41.15
Ring	Architrave Band	3.49
Ring	Azuli Trader 10.25	3.91
Ring	Blue sapphire stone	3.38
Ring	Circadian II	3.20
Ring	Circadian II Gold	6.05

Ring	Coco Signet Gold	51.68
Ring	Continuum Ring	3.24
Ring	Continuum Ring Gold	4.66
Ring	Custom Lion Ring	3.38
Ring	Energy Ring	2.79
Ring	Energy Ring Gold	20.36
Ring	Erudite Gold	9.42
Ring	Erudite Ring	2.77
Ring	Figment Ring	3.11
Ring	Figment Ring Gold	7.39
Ring	Figment Ring Single / 11 (M/L)	3.11
Ring	Free Ring Sizer	1.92
Ring	Gambit Ring	3.30
Ring	Gambit Ring Gold	12.80
Ring	Gold Blank	12.71
Ring	Gryphon Ring	3.57
Ring	Gryphon Ring Gold	5.00
Ring	Hallmark Ring	3.20
Ring	Hallmark Ring Gold	7.95
Ring	Heritage Band Ring	3.20
Ring	Land & Sea' Lion Signet Ring Gold 11	12.71
Ring	Lure Ring	3.04
Ring	Lure Ring Gold	12.54
Ring	Mr Modest - Gold (Pair)	19.35
Ring	Mr Modest (Pair)	3.92
Ring	Mushroom Ring	3.20
Ring	Pap - gold	12.71
Ring	Paragon Signet	4.40
Ring	Paragon Signet Gold	20.07
Ring	Poseidons Mistress size 13	3.92
Ring	Repaired Azuli Trader	3.91
Ring	Repaired Howlite Trader Ring	3.83
Ring	Scorpion Ring	2.77
Ring	Subvert Ring	2.91
Ring	Subvert Ring 13 (XL)	2.91
Ring	Sunwalker Gold	20.02
Ring	Sunwalker Gold 13 (XL)	20.02
Ring	Sunwalker 9.25(S/M)	3.74
Ring	Syllabic Ring	3.24
Ring	Syllabic Ring 11 (M/L)	3.24
Ring	The Blank II	3.66
Ring	The Cherub	3.66
Ring	The Cherub Gold	41.18

Ring	The Circadian II	3.20
Ring	The Corlett Signet—A Corlett Exclusive	2.91
Ring	The Dusk Ring Gold	19.43
Ring	The Envy Gold	19.80
Ring	The Godfather Gold	20.81
Ring	The Metsuki	3.48
Ring	The Metsuki Gold	10.61
Ring	The Papillon Gold	20.16
Ring	Verge Ring Gold	24.02
Ring	Ziggy Mushroom	2.69
Bracelet	Anchor Bracelet	6.29
Bracelet	Helios Bracelet III	6.10
Bracelet	nyx bracelet	3.50
Bracelet	The Liminal Chain Bracelet	5.42
Earrings	Brevity Earring	2.23
Earrings	Brevity Earring Gold	6.98
Earrings	Interlude Stud	2.12
Earrings	Interlude Stud Gold	2.60
Earrings	Paralian Earring	2.17
Earrings	Paralian Earring Gold	2.64
Earrings	Pastiche Sleeper	2.08
Earrings	Pastiche Sleeper Gold	2.56
Earrings	Pastiche Sleeper Set	2.24
Earrings	Pastiche Sleeper Set Gold	2.71
Earrings	Quadrum Earring	2.30
Earrings	Quadrum Earring Gold	2.77
Earrings	Terrain Stud	2.15
Earrings	Terrain Stud Gold	2.63
Necklace	The Nyx Necklace	5.01
Necklace	50 cm rope chain	3.01
Necklace	Concord Necklace	7.15
Necklace	Erosive Choker	5.02
Necklace	Gold Rope chain 54cm	12.10
Necklace	Helios Necklace II	11.66
Necklace	Helios Necklace II	11.66
Necklace	Helios Necklace III	11.66

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 343 t CO₂-e. The total number of eligible offsets used in this report is 343. Of the total eligible offsets used, 0 were previously banked and 343 were newly purchased and retired. 0 are remaining and have been banked for future use.

Co-benefits

Rimba Raya is situated in Central Kalimantan in Indonesian Borneo. Covering land approximately the same size as Singapore, it is known as one of the largest Orangutan sanctuaries in the world. Offering a viable alternative to deforestation, a practice very common in the area, the project has a wealth of benefits to the biodiversity of the region and the surrounding communities. Rimba Raya is home to over 300 species of birds, 122 species of mammals and 180 species of trees and plants. The project has strong community based initiatives including increased employment for communities, greater access to medical and health services, and assistance with education.

The Rimba Raya REDD+ project has successfully defended 64,500 hectares of carbon and biodiversity-rich lowland peat forest from conversion to oil palm plantations, which surround the project area and adjacent Tanjung Putting National Park. Rimba Raya protects over 120 threatened and endangered species in the project area including the endangered Borneo Orangutan and supports over 10,000 forest-dependent community members living in and along the boundaries of the project, who have traditionally held no tenure and who have used the forest in an unsustainable way.

Eligible offsets retirement summary

The offset retirement table below covers both the Organisation (see [Organisation PDS](#)) and the MOTS' products (this PDS).

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 ₂ -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 (%)
Rimba Raya Biodiversity Reserve Project	VCU	Verra	06 Feb 2024	9900-157293366-157293499-VCS-VCU-263-VER-ID-14-674-01012018-31122018-1	2018	0	134	0	0	134	39%
Rimba Raya Biodiversity Reserve Project	VCU	Verra	06 Feb 2024	9900-157292383-157292591-VCS-VCU-263-VER-ID-14-674-01012018-31122018-1	2018	0	209	0	0	209	61%
Total offsets retired this report and used in this report										343	
Total offsets retired this report and banked for future reports										0	
Type of offset units		Eligible quantity (used for this reporting period)					Percentage of total				
Verified Carbon Units (VCUs)		343					100%				

• 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

• APPENDIX A: ADDITIONAL INFORMATION

N/A

• APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-based approach.

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.

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	0	0	0%
Total non-grid electricity	0	0	0%
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)	1,386	0	19%
Residual Electricity	5,986	5,717	0%
Total renewable electricity (grid + non grid)	1,386	0	19%
Total grid electricity	7,372	5,717	19%
Total electricity (grid + non grid)	7,372	5,717	19%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	5,986	5,717	
Scope 2	5,286	5,048	
Scope 3 (includes T&D emissions from consumption under operational control)	700	668	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	18.80%
Mandatory	18.80%
Voluntary	0.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	5.05
Residual scope 3 emissions (t CO₂-e)	0.67
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	5.05
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.67
Total emissions liability (t CO₂-e)	5.72

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	0	0	0	0	0	0
SA	0	0	0	0	0	0
VIC	0	0	0	0	0	0
QLD	7,372	7,372	5,381	1,106	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)	7,372	7,372	5,381	1,106	0	0
ACT	0	0	0	0		
NSW	0	0	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)	0	0	0	0		
Total electricity (grid + non grid)	7,372					
Residual scope 2 emissions (t CO₂-e)						5.38
Residual scope 3 emissions (t CO₂-e)						1.11
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)						5.38
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)						1.11
Total emissions liability						6.49

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
<i>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.</i>		

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
<i>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.</i>		

• 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
Water - organisation	Immaterial

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

Water consumed in the organisation office was not quantified and is estimated to be immaterial.

Four of the 95 ring categories have a gemstone. For this assessment, the emission factor allocated is for natural stone plate polished from a granite block due to a data gap in gemstone mining impact in the literature.

• 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.

Accessories sold during FY2022/23 have been excluded from this assessment as they did not form part of the carbon neutrality plan for this year of assessment. The accessories represented a minimal part of the products sold during FY2022/23 and are too different from the other jewellery to be combined under the same submission.

Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Accessories	N	Y	N	N	N	<p>Size: The emissions source is likely to be immaterial.</p> <p>Influence: We have the potential to influence the emissions from this source, including by shifting to a different lower-emissions supplier for our product/service.</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, might be unlikely to consider this a relevant source of emissions for our product/service.</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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