



PUBLIC DISCLOSURE STATEMENT

MERCHANTS OF THE SUN

PRODUCT CERTIFICATION

FY2023–24

Australian Government

Climate Active Public Disclosure Statement

Merchants.



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Merchants Label Pty Ltd (trading as Merchants of the Sun)
REPORTING PERIOD	Financial year 1 July 2023 – 30 June 2024 Arrears report
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.  Rhyland Horthy-Banks Director 19 / 9 / 25



Australian Government

Department of Climate Change, Energy,
the Environment and Water

Public Disclosure Statement documents are prepared by the submitting organisation. The material in Public Disclosure Statement documents represents the views of the organisation and do not necessarily reflect the views of the Commonwealth. The Commonwealth does not guarantee the accuracy of the contents of the Public Disclosure Statement documents and disclaims liability for any loss arising from the use of the document for any purpose.

Version 9.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	434 tCO ₂ -e (100% overlap with organisation certification)
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	18.72%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	25/08/2025 Pangolin Associates Next technical assessment due: FY2027

Contents

1. Certification summary.....	3
2. Certification information.....	4
3. Emissions boundary.....	5
4. Emissions reductions	8
5. Emissions summary.....	8
6. Carbon offsets	18
7. Renewable Energy Certificate (REC) summary	20
Appendix A: Additional information	21
Appendix B: Electricity summary.....	22
Appendix C: Inside emissions boundary	25
Appendix D: Outside emission boundary	27

2.CERTIFICATION INFORMATION

Description of product certification

This product certification is for 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).

- Functional unit: 1 average jewellery item sold by Merchants of the Sun in Australia and overseas during FY2023-24.
- Offered as: full coverage product
- Life cycle: cradle-to-grave

The responsible entity for this product certification is Merchants Label Pty Ltd (trading as Merchants of the Sun), ABN 62 645 535 673.

This Public Disclosure Statement includes information for FY2023-24 reporting period. Please note there is a 100% overlap between the organisation (separate document) and product certification.

Description of business

Merchants of the Sun is a slow jewellery label based in the Gold Coast, Queensland. Founded in April 2020 by Matthew Banks, the brand continues to fashion a balance between expression and ethical creation.

Each collection includes a considered selection of rings, cuffs, chains and pendants. Most of our products are handcrafted in Indonesia using 100% recycled 925 sterling silver and 18k gold vermeil plating. Pieces that go unsold are recycled and melted down for use in succeeding product launches.

Articulating a connection to the environment, Merchants of the Sun acts according to a vision of a zero-waste world. All operations are fortified by the community it has created via consumer education and transparency.

Creativity is at the heart of all operations - a notion that is consciously upheld by the team on a daily basis.

Merchants Label Pty Ltd T/A Merchants of the Sun

ABN: 62 645 535 673

ACN: 645 535 673

Office/Warehouse: 2 Dawn Parade, Miami QLD 4220

House of Merchants (showroom): Shop 1/2086 Gold Coast Highway, Miami, Queensland 4220

"Motivated by the vision of a zero-waste world, Merchants of the Sun brings to life handcrafted jewellery that inspires their culture to mindfully consume and consciously create." Matt Banks (Founder)

No additional subsidiaries or entities are included in this certification.

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

Stationary energy

Taxi

Refrigerants

Waste

Employee commute

Working from home

Quantified - Product:

Raw materials

Manufacturing (Indonesian/Chinese operations)

Packaging

Freight

Disposal

Non-quantified

Water

Optionally included

N/A

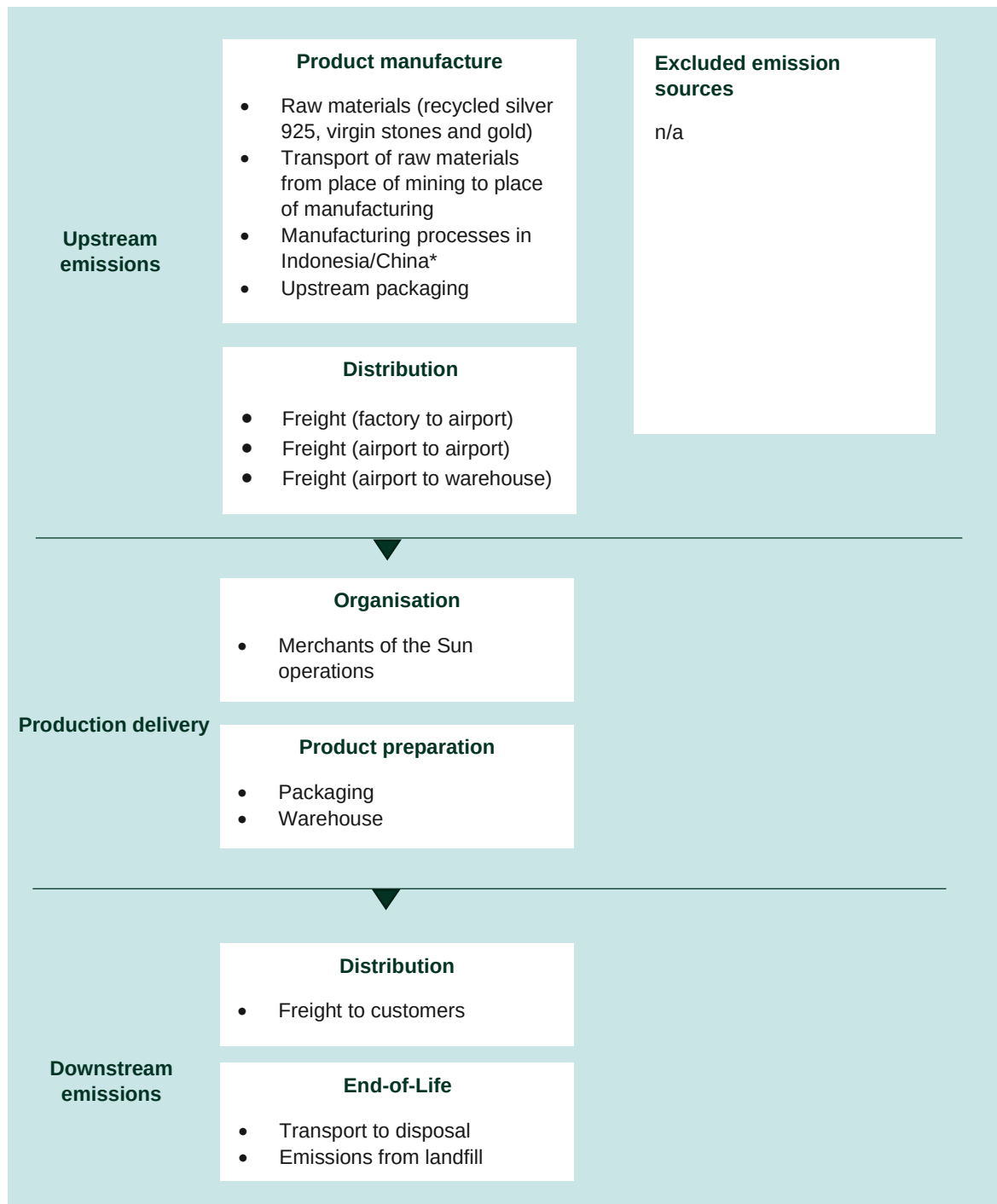
Outside emission boundary

Non-attributable

Selection of non-jewellery products sold: Accessories (sticker, keychain, gift box, Twin Fin, Leather keychain)

Product process diagram

Cradle-to-grave boundary



*To quantify manufacturing activities and emissions in Bali, electricity and fuel consumption data were estimated, assuming that the increase in consumption between FY24 and FY23 is the same as between FY23 and FY22 (for 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 FY2025 to FY2027

We are still working towards our goal to reduce our emissions per product by 30% by 2027 compared to our 2021 base year.

IN-HOUSE RECYCLING AND RENEWABLES

- GreenPower is to be investigated by June 2025.
- TerraCycle is to be reviewed/implemented by June 2025.

PRODUCTION/PRODUCT

- Increase Close the Loop Program uptake through promotional activity by 10% YOY.
- Investigate Solar Options for the Indonesian Factory + Indonesian House of Merchants by 2027.
- New Chain Supplier RJC Registered + Recycled Supplier Registration - 100% by 2024/2025. Already in progress in October 2024.
- Become waste-free by the end of 2027 across all production and retail areas.

PACKAGING

- Redesigned packaging and introduced Sugarflex Recyclable Packaging for all products leaving our warehouse.
- Working on a warehouse solution to facilitate pre-packaged Sugarflex Packaging from our Factory in Indonesia. Our interim solution is to send back virgin plastic for reuse.
- Myclieum packaging was not viable; we are rebuilding our packaging solution with Grounded a BCorp and sustainable packaging to be entirely carbon-neutral.
- Review refineries for Gold recycling by 2026.

ETHICAL CONDUCT

- B-Corp Registered.
- Responsible Jewellery Council Registration by December 2026.

PROJECTS / CARBON COMMITMENT

- Rimba Raya Biodiversity Reserve Carbon Offsets

Emissions reduction actions in FY2024

IN-HOUSE RECYCLING

- Goals not achieved were postponed to FY2025; please see above.

PRODUCTION/PRODUCT

- We have changed our complimentary ring sizer to no longer be included in every packaging. It is now an optional add-on to reduce our ring sizer output. This has significantly reduced our virgin plastic output from 14,356 Ring Sizers in 2023 to 6271 Ring Sizers in 2024 a 43.68% reduction, resulting in a 69.65% reduction in our virgin plastic emissions since 2023.
- We are investigating a recyclable variation of this product as an interim solution until we can implement our technology-based solution - we have implemented Try with Mirra - a try before you buy a solution to mitigate plastic consumption.
- We introduced DHL carbon-neutral shipping on all international orders to reduce our outbound pollution as we scale into the US market.
- 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.
- We are workshopping a strategy to reduce our marketing Scope 3 output and working with our consultants to optimise their carbon footprint to reduce our emissions further. We aim to reduce Scope 3 on consultants by 50% within 2 years. We aim to have a measurable plan to reduce marketing carbon emissions by 30 June 2025.

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. This will no longer proceed. We are redesigning our packaging to be completely carbon neutral with our packaging supplier, Grounded, by 31 December 2025.

ETHICAL CONDUCT

- Rebuilt our sustainability and transparency page to effectively communicate all aspects of our goals and to keep our team accountable.

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/Year 1:	2020–21	110	0.01665 tCO ₂ -e / items
Year 2:	2021–22	290	0.01653 tCO ₂ -e / items
Year 3:	2022–23	343	0.01532 tCO ₂ -e / items
Year 4:	2023–24	434	0.01742 tCO ₂ -e/ items

Significant changes in emissions

Significant changes in emissions			
Attributable process	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Reason for change
Gold	63.1	138.1	Increase in weight and emission factor
Manufacturing Indonesia	26.5	45.7	Due to extrapolation based on prior year data.
Upstream freight	1.0	1.7	Weight increase

Use of Climate Active carbon neutral products, services, buildings or precincts

Certified brand name	Product/Service/Building/Precinct used
Pangolin Associates	Consulting services

Emissions summary

Life cycle stage / Attributable process / Emission source	tCO ₂ -e
Raw Materials	141.6
Manufacturing	47.4
Upstream Packaging	0.0
Upstream Freight	1.7
Organisation	207.0
Downstream packaging	4.6
Distribution to Customers	26.8
Disposal Emissions	4.4
Attributable emissions (tCO₂-e)	433.4

Product offset liability	
Emissions intensity per functional unit	0.01742 tCO ₂ -e / items
Emissions intensity per functional unit including uplift factors	N/A
Number of functional units covered by the certification	24,919
Total emissions (tCO₂-e) to be offset	434

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/ product
Accessory	Merchants x Bones Collab Tee - Organic Vintage Black	36.0
Accessory	Merchants x Bones Collab Tee - Organic Vintage White	36.0
Accessory	OS Tote Bag - Organic Cotton	53.5
Accessory	Oversized Tote - Research Dept.	53.5
Bracelet	Anchor Bracelet	7.3
Bracelet	Archive Sale Bracelet	6.3
Bracelet	Archive Sale Thick Bracelet	6.3
Bracelet	Archive Sale Thin Bracelets	4.3
Bracelet	Fender Chain Bracelet	4.5
Bracelet	Meraki Chain	10.4
Bracelet	Quadrata Chain Bracelet	7.4
Bracelet	Thick Cuban Bracelet	4.3
Bracelet	Thin Cuban Bracelet	4.5
Bracelet	Thin Cuban Bracelet Gold	66.9
Chain	Annex Chain	2.8
Chain	Annex Chain Gold	31.5
Chain	Calibre Chain	3.3
Chain	Calibre Chain Gold	25.7
Chain	Classic Chain	2.8
Chain	Classic Chain Gold	30.3
Chain	Fender Chain	6.0
Chain	Figaro Chain	2.3
Chain	Figaro Chain Gold	21.4
Chain	Figaro Chain Silver	2.3
Chain	Gold Chain	19.6
Chain	Helios Bracelet III	7.0
Chain	Rolo Chain	2.1
Chain	Rolo Chain Gold	19.6
Chain	Rolo Chain Silver	2.3
Chain	Rope Chain	2.1
Chain	Rope Chain Gold	20.2
Chain	Rope Chain Silver	2.3
Chain	Tenet Chain	3.1
Chain	The Dusk Bracelet Gold	44.3
Chain	The Dusk Chain Bracelet	4.5
Chain	The Dusk Chain Bracelet Gold	37.6
Chain	The Dusk Chain Necklace	6.9
Chain	The Dusk Chain Necklace Gold	71.2
Chain	The Liminal Chain Bracelet	6.1
Chain	The Liminal Chain Bracelet Gold	93.8

Merchants of the Sun Product Family	Product Name	kg CO ₂ -e/ product
Chain	The Nyx Chain Necklace Gold	87.2
Chain	The Nyx Necklace	5.6
Chain	The Rover Chain Bracelet	2.3
Chain	The Rover Chain Bracelet Gold	39.2
Chain	Thick Cuban	6.0
Chain	Thin Cuban	4.8
Chain	Thin Cuban Gold	73.4
Cuff	Archive Sale Cuff	6.3
Cuff	Cadence Cuff	6.4
Cuff	Cadence Cuff Gold	29.5
Cuff	Lure Cuff	5.9
Cuff	The Sungazer Cuff	6.5
Cuff	The Sungazer Cuff Gold	104.0
Cuff	The Sungazer Cuff II	6.5
Earrings	Audace Huggy	1.7
Earrings	Audace Huggy Gold	5.1
Earrings	Brevity Earring	1.8
Earrings	Brevity Earring Gold	6.7
Earrings	Cardinal Charm	1.6
Earrings	Cardinal Charm Gold	5.8
Earrings	Gladius Charm	1.6
Earrings	Gladius Charm Gold	5.8
Earrings	Interlude Stud	1.6
Earrings	Interlude Stud Gold	7.0
Earrings	Paralian Earring	1.7
Earrings	Pastiche Sleeper	1.6
Earrings	Pastiche Sleeper Gold	5.8
Earrings	Quadrum Earring	1.9
Earrings	Quadrum Earring Gold	11.8
Earrings	Sominum Sleepers	1.7
Earrings	Somium Sleepers	1.7
Earrings	Somium Sleepers Gold	8.8
Earrings	Terrain Stud	1.7
Earrings	Terrain Stud Gold	7.8
Necklace	Concord Necklace	8.4
Necklace	Concord Necklace II	8.8
Necklace	Erosive Choker	5.6
Pendant	Artemis Pendant	2.4
Pendant	Artemis Pendant Gold	38.0
Pendant	Augustus Pendant	1.9
Pendant	Augustus Pendant Gold	16.8
Pendant	Augustus Pendant Dendritic Opal	1.9

Merchants of the Sun Product Family	Product Name	kg CO ₂ -e/ product
Pendant	Augustus Pendant Green Marble	1.9
Pendant	Augustus Pendant Green Marble Gold	16.8
Pendant	Augustus Pendant Onyx	1.9
Pendant	Augustus Pendant Onyx Gold	16.8
Pendant	Centurian Pendant	2.4
Pendant	Centurian Pendant Gold	22.9
Pendant	Envy Pendant	2.9
Pendant	Envy Pendant Gold	27.6
Pendant	Gravitas Pendant	3.1
Pendant	Gravitas Pendant Gold	37.8
Pendant	Karst Pendant London Topaz	1.9
Pendant	Karst Pendant Red Garnet	1.9
Pendant	Karst Pendant Red Garnet Gold	11.9
Pendant	Karst Pendant Smoky Quartz	1.9
Pendant	Karst Pendant Smoky Quartz Gold	11.9
Pendant	Lucky Pendant	3.4
Pendant	Lucky Pendant Gold	44.0
Pendant	POS ONLY - Lover Pendant Gold	11.7
Pendant	Sempre Rise Pendant	3.1
Pendant	Sempre Rise Pendant Gold	37.6
Pendant	Switch Pendant	3.3
Pendant	Switch Pendant Gold	32.7
Pendant	The Hermes Pendant	3.1
Pendant	The Hermes Pendant Gold	38.0
Pendant	The Lovers Pendant	2.3
Pendant	The Lovers Pendant Gold	23.9
Pendant	The Memento Pendant	3.1
Pendant	The Nomad Pendant	2.4
Pendant	The Nomad Pendant Gold	11.7
Pendant	The Nomad Pendant Only Gold	21.3
Pendant	Twin Flame Pendant	3.1
Pendant	Twin Flame Pendant Gold	37.8
Pendant	Valor Pendant	2.4
Pendant	Valor Pendant Gold	21.7
Pendant	Virgil Pendant Black Onyx	1.9
Pendant	Virgil Pendant Black Onyx Gold	12.0
Pendant	Virgil Pendant London Topaz	1.9
Pendant	Virgil Pendant Red Garnet	1.9
Pendant	Virgil Pendant Red Garnet Gold	12.0
Ring	'Made of Water' Whale Signet Gold	12.9
Ring	888 Ring	3.0
Ring	888 Ring Gold	42.2

Merchants of the Sun Product Family	Product Name	kg CO ₂ -e/ product
Ring	Adroit London Topaz	3.1
Ring	Adroit Red Garnet	3.1
Ring	Adroit Red Garnet Gold	37.0
Ring	Adroit Smoky Quartz	3.1
Ring	Amor Fati	2.7
Ring	Architrave Band	3.5
Ring	Archive Sale Ring Gold	62.6
Ring	Artemis Signet	4.3
Ring	Artemis Signet Gold	62.9
Ring	Asteria Ring	3.1
Ring	Asteria Ring Gold	38.5
Ring	Augustus Dendritic Opal	3.7
Ring	Augustus Dendritic Opal Gold	47.6
Ring	Augustus Green Marble	3.7
Ring	Augustus Green Marble Gold	47.6
Ring	Augustus Onyx	3.7
Ring	Augustus Onyx Gold	47.6
Ring	Augustus Signet	3.7
Ring	Augustus Signet Gold	47.6
Ring	Azuli Trader	4.1
Ring	Billy's Mum	3.0
Ring	Cherry Bomb	4.0
Ring	Circa Signet	2.8
Ring	Circa Signet Gold	31.8
Ring	Circadian II	3.1
Ring	Circadian II Gold	6.0
Ring	Coco Signet Gold	53.4
Ring	Continuum Ring	3.2
Ring	Continuum Ring Gold	4.6
Ring	Corlett Signet II	3.8
Ring	Corlett Signet II Gold	52.7
Ring	El Bono	3.4
Ring	Energy Ring	2.5
Ring	Erudite Gold	9.4
Ring	Erudite Ring	2.5
Ring	Erudite Ring Gold	35.1
Ring	Essence Band	2.7
Ring	Figment Ring	3.0
Ring	Figment Ring Gold	7.4
Ring	Forte Signet	3.8
Ring	Forum Band	3.3
Ring	Forum Band Gold	40.8

Merchants of the Sun Product Family	Product Name	kg CO ₂ -e/ product
Ring	Free Ring Sizer	1.4
Ring	Gambit Ring	3.2
Ring	Gambit Ring Gold	40.3
Ring	Gold Samples	8.7
Ring	Gryphon Ring	3.6
Ring	Gryphon Ring Gold	47.8
Ring	Hallmark Ring	3.1
Ring	Heritage Band Ring	3.1
Ring	Howlite Trader	4.0
Ring	Lil Baddy	3.2
Ring	Merchants Sigent	3.8
Ring	Mr Modest - Gold (Pair)	24.0
Ring	Mr Modest (Pair)	4.1
Ring	Mr Modest Gold (Pair)	31.8
Ring	Mystery Box	5.1
Ring	Mystery Box II	7.0
Ring	Mystery Box III	8.8
Ring	Orbit Signet	3.1
Ring	Orbit Signet Green Marble	3.1
Ring	Orbit Signet Green Marble Gold	37.4
Ring	Orbit Signet Red Garnet	3.1
Ring	Paragon Signet	4.7
Ring	Paragon Signet Gold	71.2
Ring	RC01 - June	3.2
Ring	RC02 - July	3.6
Ring	RC03 - August	3.1
Ring	RC04 - September	2.7
Ring	RC05 - December	3.1
Ring	RCO6 - June	3.1
Ring	Sample Signet III	3.1
Ring	Senecas Signet	3.8
Ring	Senecas Signet Gold	51.0
Ring	Silver Sample	3.1
Ring	Skull Signet	3.8
Ring	Sol Signet	2.8
Ring	Sol Signet Gold	30.4
Ring	Subvert Ring	2.7
Ring	Subvert Ring Gold	24.9
Ring	Sunwalker	3.8
Ring	Sunwalker Gold	42.9
Ring	Swallow Signet	2.8
Ring	Swallow Signet Gold	30.1

Merchants of the Sun Product Family	Product Name	kg CO ₂ -e/ product
Ring	Syllabic Ring	3.2
Ring	The Blank	3.7
Ring	The Blank Gold	40.6
Ring	The Blank II	3.7
Ring	The Centurian Ring	3.8
Ring	The Centurian Ring Gold	51.1
Ring	The Cherub	3.7
Ring	The Cherub Gold	50.4
Ring	The Circadian Ring	3.1
Ring	The Dusk Ring Gold	26.4
Ring	The Envy	4.1
Ring	The Envy Gold	36.6
Ring	The Godfather	3.9
Ring	The Godfather Gold	65.1
Ring	The Liminal Ring	2.4
Ring	The Mercator	3.7
Ring	The Mercator Gold	48.9
Ring	The Metsuki	3.5
Ring	The Metsuki Gold	45.3
Ring	The Papillon	4.1
Ring	The Papillon Gold	46.9
Ring	The Solitaire	3.6
Ring	The Solywoda	4.1
Ring	Three Fish	3.1
Ring	Trust No One	4.1
Ring	Verge Ring Gold	35.1

6.CARBON OFFSETS

Eligible offsets retirement summary

Given our product footprint sits entirely within our organisational footprint, information on our carbon offsets for FY2023-24 can be found in our [Organisation PDS](#).

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 Puting 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.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A

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 this certification, electricity emissions have been set by using the **market-based approach**.

Market-based approach summary			
Market Based Approach	Activity Data (kWh)	Emissions (kg CO 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 certified - Precinct/Building (voluntary renewables)	0	0	0%
Climate Active certified - Precinct/Building (LRET)	0	0	0%
Climate Active certified - Precinct/Building jurisdictional renewables (LGCs surrendered)	0	0	0%
Climate Active certified - Electricity products (voluntary renewables)	0	0	0%
Climate Active certified - Electricity products (LRET)	0	0	0%
Climate Active certified - 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)	1,751	0	19%
Residual electricity	7,601	6,917	0%
Total renewable electricity (grid + non grid)	1,751	0	19%
Total grid electricity	9,351	6,917	19%
Total electricity (grid + non grid)	9,351	6,917	19%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	7,601	6,917	
Scope 2	6,766	6,157	
Scope 3 (includes T&D emissions from consumption under operational control)	835	760	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	18.72%
Mandatory	18.72%
Voluntary	0.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	6.16
Residual scope 3 emissions (t CO₂-e)	0.76
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	6.16
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.76
Total emissions liability (t CO₂-e)	6.92
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>	

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	9,351	9,351	6,827	1,403	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)	9,351	9,351	6,827	1,403	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)	9,351					

Residual scope 2 emissions (t CO ₂ -e)	6.83
Residual scope 3 emissions (t CO ₂ -e)	1.40
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	6.83
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	1.40
Total emissions liability	8.23

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
Water - organisation	Immaterial

Excluded emission sources

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.

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

20 of the 232 different jewellery models 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.

Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Accessories	N	Y	N	N	N	Size: The emissions source is likely to be immaterial. 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. 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, might are unlikely to consider this a relevant source of emissions for our product/service. 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.



An Australian Government Initiative

