PUBLIC DISCLOSURE STATEMENT

AUSTRALIAN MOBILE TELECOMMUNICATIONS ASSOCIATION

SERVICE CERTIFICATION

FY2023–24

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Australian Mobile Telecommunications Association Ltd
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.* 
	Louise Hyland CEO 13 November 2024

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

Version 9.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	348 tCO_2-e
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Life Cycle Strategies Pty Ltd
TECHNICAL ASSESSMENT	12/10/2023 Life Cycle Strategies Pty Ltd Next technical assessment due: FY 2026

Contents

2. CERTIFICATION INFORMATION

Description of service certification

The reference unit for the service certification is *'tonne CO_2-e per tonne of e-waste collected and managed through the MobileMuster program'*. The certification fully covers the total volume of Mobile Phone Component (MPC) and Expanded Program (EP) product waste that is collected throughout the year.

FY24 is the second year in which MobileMuster has collected EP product (network connectivity, smart home tech, wearables and peripherals). These items are collected at mobile network operator stores through Telstra, Vodafone and Optus. The expansion of the original MobileMuster program results in the diversion of a larger volume of hazardous materials from landfill and increases the recovery of valuable resources. The service that is analysed begins at the end of life of MPCs and EP product, and ends once the waste recycling processes have been completed. As such, we consider this model to be cradle to grave. The boundaries of the system include the production of collection boxes and satchels used to collect the e-waste. It also covers the distribution of collection boxes to collection points, and the distribution of satchels to the location of the order. It does not include transporting MPCs and EPs to the collection point or any transport associated with users bringing satchels home.

This account considers the collection and reprocessing system used by MobileMuster and its recycling partner, up until the production of secondary materials. Life Cycle Analysis (LCA) typically widens the system boundaries to consider that the production of secondary materials avoids the extraction of an equivalent quantity of virgin materials. This aspect generally acts as an offset and was excluded from the study as it does not conform with the process of drawing carbon accounts.

The responsible entity for this service certification is the Australian Mobile Telecommunications Association Limited (AMTA), ABN 98 065 814 315.

This Public Disclosure Statement includes information for FY2023-24 reporting period.

Description of business

The Australian Mobile Telecommunications Association (AMTA) is the peak body representing Australia's mobile telecommunications industry.

AMTA manages MobileMuster, the product stewardship program of the mobile phone industry, on behalf of members, including all the major handset manufacturers and mobile network operators operating in Australia. MobileMuster provides a free education, collection and recycling service to the community to ensure that end-of-life devices are recycled safely and securely to the highest environmental standard (including ISO 9001, ISO 14001, ISO 45001, R2:V3 and AS/NZS 5377:2013).

This certification covers all the activities undertaken to provide a free service of collecting, sorting, and recycling mobile phone components and expanded program products in Australia, on behalf of the Australian Mobile Telecommunications Association (AMTA) and its members, under the MobileMuster product stewardship program.

3. EMISSIONS BOUNDARY

Inside the emissions boundary

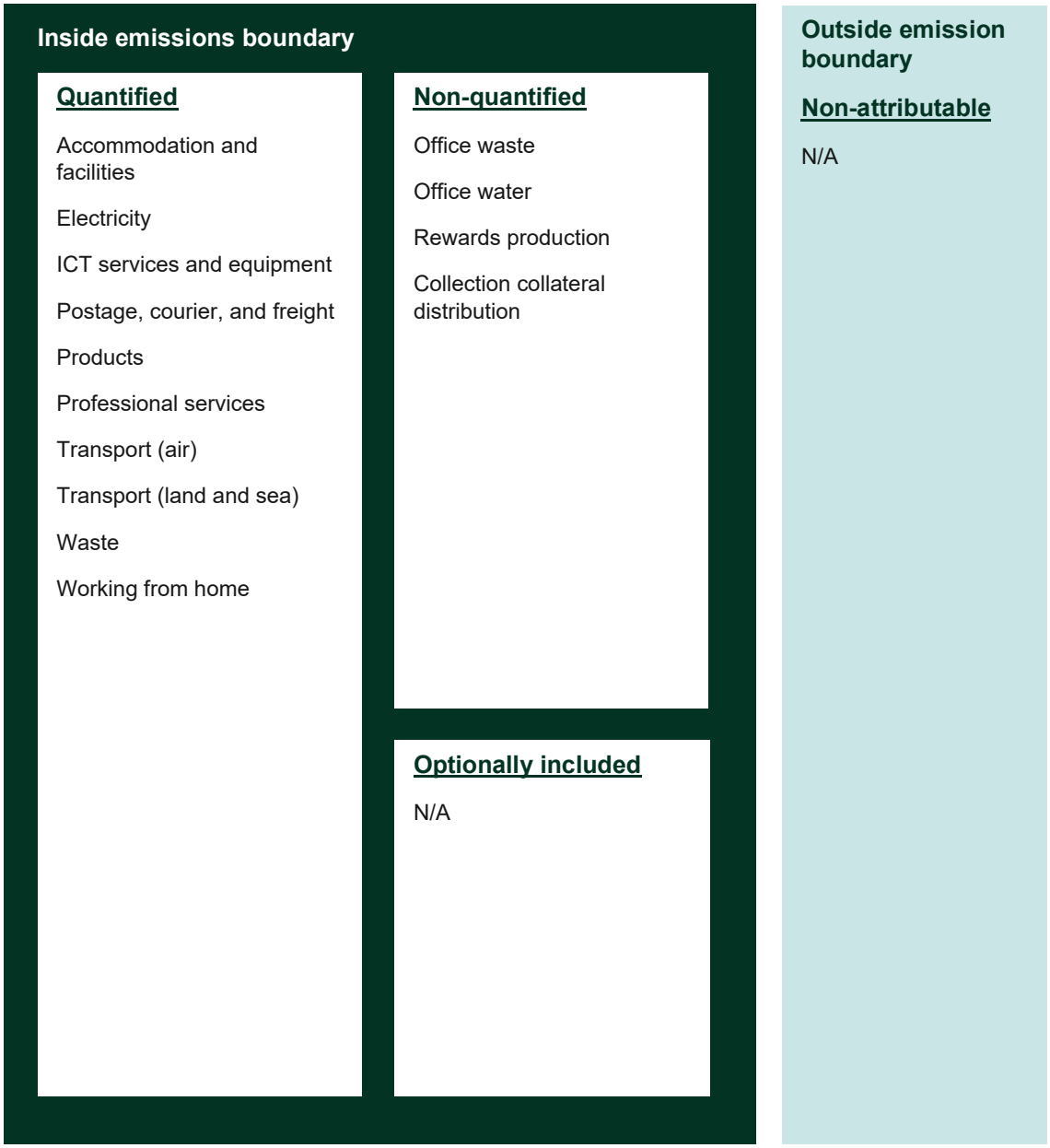
All emission sources listed in the emissions boundary are part of the carbon neutral claim.

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.

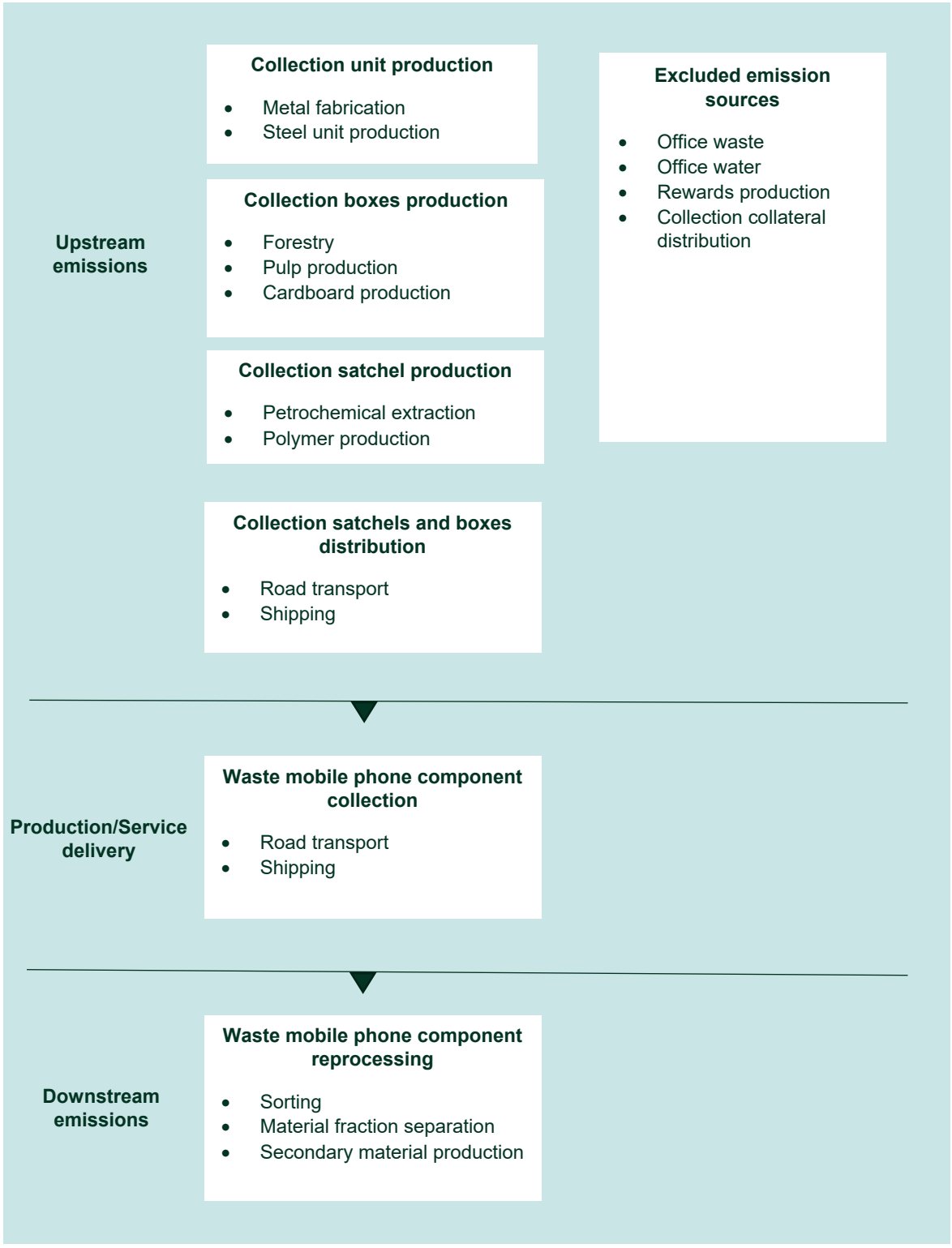
Non-quantified emissions have been assessed as attributable and are captured within the emissions boundary but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

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
Electricity
ICT services and equipment
Postage, courier, and freight
Products
Professional services
Transport (air)
Transport (land and sea)
Waste
Working from home
Non-quantified
Office waste
Office water
Rewards production
Collection collateral distribution
Optionally included
N/A
Outside emission boundary
Non-attributable
N/A

Service process diagram



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

MobileMuster Emissions Reduction Strategy Plan (FY24)

MobileMuster and the Australian Mobile Telecommunications Association (AMTA) is dedicated to supporting the transition to net-zero emissions, with Climate Active accreditation being a pivotal step in achieving this goal for the MobileMuster program. We recognise the impact of our operations on the environment and are committed to continually identifying opportunities and solutions to mitigate our carbon emissions.

While MobileMuster's primary operations rely on partnerships rather than direct recycling, our Scope 1 emissions remain limited. However, a significant portion of our emissions arises from Scope 3 activities, particularly from advertising. This is crucial for maintaining awareness of our program. We acknowledge the need to balance our efforts to reduce emissions in this area with the overall environmental benefits that advertising provides, such as enhancing community awareness and education, which have led to improved recycling rates and increased landfill diversion.

To meet our emissions reduction targets while fostering growth in our program, MobileMuster is focused on minimising the disposal of valuable electronic resources and achieving key performance indicators as an accredited scheme under the *Recycling and Waste Reduction Act 2020*.

In addition to Climate Active accreditation, MobileMuster was first accredited as a Voluntary Product Stewardship Scheme under the *Product Stewardship Act 2011* in 2014, and it was further renewed in 2019 for a five-year period. At the time of publishing, MobileMuster's application for re-accreditation in May 2024 for a further five years is being assessed by the Department of Climate Change, Energy, Environment, and Water (DCCEEW).

MobileMuster actively collaborates with the DCCEEW as part of its initiative to support Product Stewardship Schemes. We share insights from our 26 years of experience in operating a recycling and sustainability program, discussing our performance, re-accreditation process, and providing valuable feedback to enhance product stewardship more broadly.

MobileMuster continues to explore opportunities to enhance sustainability and maintain Climate Active accreditation, and our commitment is to significantly reduce our emissions by **implementing targeted strategies across Scope 1, 2, and 3 emissions**.

1. Scope 1 and 2 Emissions Reduction Goal

MobileMuster has no direct emissions classified under Scope 1. This is due to the nature of our operations, which do not involve any activities that directly emit greenhouse gases, such as fuel combustion from company-owned vehicles or facilities, or industrial processes.

Target: Reduce Scope 2 emissions by only purchasing 100% renewable energy supply by 2026.

2. Scope 3 Emissions Reduction Goal

Target: Reduce Scope 3 emissions by 10% by 2030, compared to a 2024 baseline.

Emissions reduction actions

Building on the emissions reduction strategy and targets outlined above, this section details the specific actions we aim to undertake by 2030 to achieve measurable emissions reductions. These actions reflect our focus on continuous improvement and include practical initiatives across energy efficiency, supply chain engagement, and operational practices. The actions span a range of focus areas, including energy use, resource management, and staff engagement, and are aligned with the targets set in our broader sustainability plan.

Scope 2 actions:

- **Clean Electricity**: Transition to renewable energy by purchasing renewable energy from Diamond Energy (Green Power certified), ensuring that our electricity consumption (currently at 1.1% of total emissions) aligns with our sustainability goals.

Scope 3 actions:

- **Carbon Offsetting**: Continued support for South Pole's conservation projects since 2020 to mitigate our carbon footprint.
- **Energy Efficiency**: A significant proportion of our carbon account is linked to the waste management operations undertaken by our recycling partner SK tes (35%). We work closely with SK tes to monitor the progress of their objective to transition towards renewable energy opportunities at processing facilities in Australia. Their commitment to energy audits and implementation of energy-saving initiatives, such as solar power and LED lighting, supports our shared goal of reducing carbon emissions. SK tes targets a 42% reduction in Scope 1 and 2 emissions by 2030[1].
- **Streamlining Collection Logistics**: Acknowledging that transporting collected products from our sites to recycling facilities contributes to greenhouse gas emissions (4.5%), we are exploring ways to optimise collection volume and frequency.

  By consolidating shipments and scheduling fewer, but fuller, collection runs, we can minimise the number of trips required, reducing fuel consumption and associated emissions while enhancing operational efficiency.
- **Advertising Emissions Tracking**: Commencing in FY25, we will measure emissions from marketing efforts, aiming to identify reduction opportunities. Acknowledging that advertising accounts for 35% of our annual emissions, we seek partnerships with Climate Active certified suppliers.

  MobileMuster is committed to working with and searching out new advertising partners that align with our emission reduction principles and exploring opportunities to work with other Climate Active accredited suppliers.

- **Developing Circular Economy Partnerships**: MobileMuster is exploring new partnerships with stakeholders in the recycling industry to ensure all products and materials collected by our scheme are recycled appropriately, including out-of-scope products covered by other stewardship schemes when unintentionally collected through MobileMuster. This collaborative approach aims to improve recycling efficiency, and promote sustainable practices, contributing to a more resilient and responsible framework for e-waste management.
- **Community and Reuse Programs**: Our 'Do Good' campaign encourages donations of unused mobile phones, supporting charities like DV Safe Phone and The Reconnect Project, which aid vulnerable communities. This approach not only promotes reuse but ensures responsible recycling for unsuitable devices.
- **Social Partnerships**: Our ongoing collaboration with Australian Zoos raises funds for wildlife conservation projects. By facilitating mobile phone recycling at participating zoos, we engage communities in meaningful environmental action.
- **Sustainable Paper Options**: All paper used in our office includes recycled content or is FSC-approved. We are implementing a digital-first approach to reduce overall paper usage while educating staff on sustainable printing practices in FY25.
- **Sustainable Packaging**: Our reply-paid satchels, made from 80% recycled content, support our commitment to sustainability.
- **Recycled Plastic Trophies**: Partnering with Etchcraft, we produce trophies from recycled materials for our annual top collectors, reinforcing our commitment to a circular economy.

Based on these initiatives, MobileMuster is dedicated to fostering sustainable practices throughout our operations and partnerships. By setting ambitious yet achievable emissions reduction targets, we aim to contribute positively to environmental stewardship and maintain our Climate Active accreditation.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e	Emissions intensity of the functional unit
Base year/Year 1:	2018-19	278.5	3.311
Year 2:	2019.20	278.5	3.288
Year 3:	2020-21	347.8	3.281
Year 4	2021-22	332.1	3.056
Year 5	2022-23	302.3	2.014
Year 6	2023-24	347.0	2.202

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**
Advertising services	107.59	122.97	This variation is directly linked to an increased spend in advertising services throughout the year, from $896,000 in FY23 to $1,140,000 in FY24.
Technical services	33.86	42.77	This variation is directly linked to an increased spend in technical services throughout the year, from $207,480 in FY23 to $262,057 in FY24.
Handset collected	22.02	62.83	There are two reasons for the change. First, the mass of handsets that has been collected in FY24 has grown by approximately 20% (from 55t to 68t). Secondly, the underlying model used to estimate the emissions associated with the recycling process has been reviewed in an updated version of the life cycle assessment for MobileMuster. This resulted in an emission factor that is significantly higher than previously estimated.

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

N/A

Emissions summary

Life cycle stage / Attributable process / Emission source	tCO_2-e
Accommodation and facilities	0.15
Electricity	3.75
ICT services and equipment	7.44
Postage, courier and freight	15.70
Products	1.13
Professional services	195.37
Transport (air)	2.09
Transport (land and sea)	2.75
Waste	120.71
Working from home[1]	-2.07
Attributable emissions (tCO_2-e)	**347.02**

Product / Service offset liability	
Emissions intensity per functional unit	2.202
Emissions intensity per functional unit including uplift factors	N/A
Number of functional units covered by the certification	157.60
Total emissions (tCO_2-e) to be offset	**348**

[1] WFH negative emissions represents avoided emissions not accounted for in staff commute net emissions (Transport (land and sea)

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
Verified Carbon Units (VCUs)	348	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
Quang Minh Solar Power Project	VCU	Verra Registry	31/10/2024	15807-720025449-720025796-VCS-VCU-842-VER-VN-1-1964-01022022-31122022-0	2022	348	0	0	348	100.00%

Co-benefits

Quang Minh solar power project is located in the Dak Lak province of Vietnam. The project's purpose is to generate solar power from photovoltaic energy, which is supplied to the national grid via a Power Purchase Agreement (PPA) signed with the Electricity Corporation of Vietnam (EVN).

The project's installed capacity and estimated annual gross power generation is 50 MW and 73,000 MWh, respectively. The net electricity generated will be supplied to the national grid via a transmission line.

Stapled units summary

The below units have been 'stapled' to eligible Climate Active carbon offset units. Stapled units may represent a beneficial outcome, such as biodiversity protection or improved water quality. These purchases are additional to Climate Active program requirements.

Stapled units and their corresponding scheme or project have not been assessed by Climate Active against the offset integrity principles in the Climate Active Carbon Neutral Standards and are not included in the list of eligible Climate Active carbon offset units (Appendix A of the Standards). Businesses have undertaken their own due diligence when purchasing these stapled units.

Project name	Unit type (e.g. biodiversity)	Project location	Eligible offset project stapled to	Stapled quantity	Link to project or evidence
Mount Sandy Conservation Project	Australian Biodiversity Unit (ABU)	Australia	Quang Minh Solar Power Project	348	Serial number: 8636-8983 Project link: https://www.southpole.com/projects/mount-sandy-conservation

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

MobileMuster has purchased 348 Australian biodiversity units in support of Mount Sandy Conservation in South Australia. This project brings together indigenous and non-indigenous communities by promoting traditional land management for biodiversity conservation.

The project protects a rare pocket of wetlands and woodlands between the Coorong National Park and Lake Albert. As one of the last remaining areas of native vegetation in the region, the land forms a strategic wildlife corridor and is of great importance to the Ngarrindjeri people, the indigenous local nation.

BIODIVERSITY UNIT CERTIFICATE

MOUNT SANDY
CONSERVATION PROJECT

This certificate confirms that

348

Australian Biodiversity Units
(522 square metres)

have been purchased and are being retired by

MobileMuster - Australian Mobile Telecommunications Association (AMTA)
CRN: 1306

Serial Numbers: 8636-8983

An Australian Biodiversity Unit (ABU) represents the permanent protection of 1.5 square metres of high conservation value native habitat

31/10/2024

Registrar Certification — date

NVCR ALLOCATION REFERENCE: NVS2019-4003-182 VOL005a

vegetationlink
Verified Biodiversity Units

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 location-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	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)	961	0	19%
Residual Electricity	4,172	3,797	0%
Total renewable electricity (grid + non grid)	**961**	**0**	**19%**
Total grid electricity	**5,133**	**3,797**	**19%**
Total electricity (grid + non grid)	**5,133**	**3,797**	**19%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**4,172**	**3,797**	
Scope 2	3,714	3,379	
Scope 3 (includes T&D emissions from consumption under operational control)	458	417	
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 CO_2-e)	**3.38**
Residual scope 3 emissions (t CO_2-e)	**0.42**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**3.38**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.42**
Total emissions liability (t CO_2-e)	**3.80**

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	5,133	5,133	3,490	257	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)	**5,133**	**5,133**	**3,490**	**257**	**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)	**5,133**					

Residual scope 2 emissions (t CO_2-e)	**3.49**
Residual scope 3 emissions (t CO_2-e)	**0.26**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**3.49**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.26**
Total emissions liability	**3.75**

Operations in Climate Active buildings and precincts

N/A

Climate Active carbon neutral electricity products

N/A

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

N/A

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
Water use (office)	Yes	Yes	Yes
Waste arising (office)	Yes	Yes	Yes
Rewards production	Yes	Yes	Yes
Collection collateral distribution	Yes	Yes	Yes

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

N/A

An Australian Government Initiative

Climate Active