



PUBLIC DISCLOSURE STATEMENT

**AUSTRALIAN MOBILE
TELECOMMUNICATIONS ASSOCIATION**


**SERVICE CERTIFICATION
FY2021–22**

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Australian Mobile Telecommunications Association
REPORTING PERIOD	1 July 2021 – 30 June 2022 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></p>
	Name of signatory: Spyro Kalos Position of signatory: Head of MobileMuster Date: 31 October, 2022



Australian Government
**Department of Industry, Science,
Energy and Resources**

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Version March 2022. To be used for FY20/21/CY2021 reporting onwards.



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	333 tCO ₂ -e
THE OFFSETS BOUGHT	100% CERs + 100% Australian biodiversity unit
RENEWABLE ELECTRICITY	18.93%
TECHNICAL ASSESSMENT	Next technical assessment due: FY23

Contents

1. Certification summary	3
2. Carbon neutral information	4
3. Emissions boundary	5
4. Emissions reductions.....	8
5. Emissions summary	10
6. Carbon offsets	12
7. Renewable Energy Certificate (REC) summary.....	14
Appendix A: Additional information	15
Appendix B: Electricity summary	16
Appendix C: Inside emissions boundary	18
Appendix D: Outside emission boundary.....	18

2. CARBON NEUTRAL INFORMATION

Description of certification

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 which include all the major handset manufacturers and network carriers operating in Australia.

MobileMuster provides a free education, collection and recycling service to the community to ensure that end-of-life devices are recycled in a safe and secure way to the highest environmental standard.

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

MobileMuster is committed to reducing its carbon emissions and where necessary, offsetting all emissions associated with the product stewardship program. This means our operations will have net zero carbon impact.

Product/Service description

The reference unit for the service certification is 'tonne CO₂-e per tonne of mobile phone component waste collected and managed through the MobileMuster program'. The certification fully covers the total volume of Mobile Phone Component (MPC) waste that is collected throughout the year.

The system that is analysed begins at the end of life of MPCs 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 MPCs. 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 to the collection point or any transport associated with users bringing satchels home.

The system then considers the collection and reprocessing systems used by MobileMuster and its recycling partners, up until the production of secondary materials. Lifecycle 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.

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' that become the product, make the product and carry the product through its life cycle. These 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.

The standard defines non-attributable processes as those that are not directly connected to the studied product or service, and thus falling outside the emissions boundary. According to the GHG Protocol standard, these could include, for instance, capital goods and infrastructure, and in some case corporate activity. In this analysis, corporate activity was included, as it is key to the successful delivery of the MobileMuster, and an area in which effective change can be implemented to reduce greenhouse gas emissions.

Inside emissions boundary

Quantified

Accommodation and facilities

Air transport

Electricity

ICT services and equipment

Office equipment and supplies

Postage, courier, and freight

Products

Professional services

Non-quantified

Office waste

Office water

Rewards production

Collection collateral distribution

Optionally included

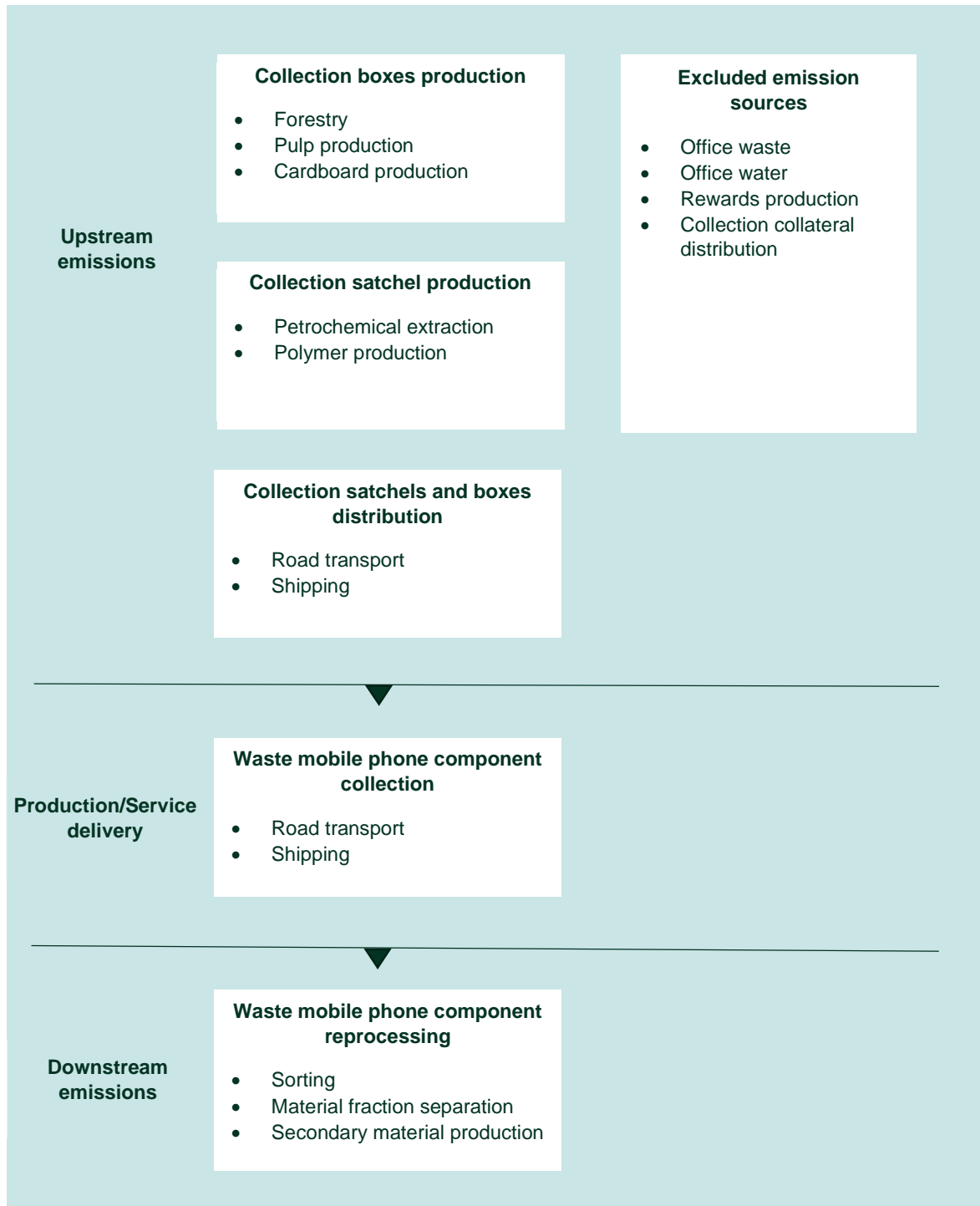
N/A

Outside emission boundary

Non-attributable

N/A

Product/service process diagram



Data management plan for non-quantified sources

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

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

AMTA supports and is committed to a transition to net zero emissions, and accreditation with Climate Active is a significant step towards achieving this target for the MobileMuster program. We acknowledge that our operations have an impact on the planet and will continue to find opportunities and solutions to mitigate our carbon emissions.

Notably, a large volume of the program's emissions stem from services, the most significant being advertising, which is central to maintaining awareness of the program. While MobileMuster continues to seek ways to reduce our footprint in this area (more below), a measured approach that considers the overall environmental benefit and impacts of our operation is necessary as advertising has resulted in a number of positive outcomes, including increasing community awareness and education, which has and continues to lead to improved recycling and landfill diversion rates.

Thus, MobileMuster's approach has to both facilitate continued growth in the program and the end-of-life products it collects, in order to reduce the disposal of valuable electronic resources to landfill and meet the program's key performance indicators as an accredited scheme under the *Recycling and Waste Reduction Act*.

MobileMuster will explore several initiatives in FY24 to drive a more sustainable program, as well as maintain Climate Active accreditation. However, for the program to develop a robust, ambitious but achievable, and holistic emissions reduction strategy, we are seeking a meeting with the Department of Industry, Science and Resources to discuss what measurable and verifiable actions we can implement – taking into consideration our unique position of our largest source of emissions (advertising) directly leads to increased recycling, which in and of itself mitigates emissions – so that we can set and achieve an emissions reduction target.

For FY23, MobileMuster is committed to the following:

1. Use of clean electricity

According to our carbon accounts, electricity consumption accounts for 1% of the program's emissions. AMTA is committed to using a green energy supplier and we are reviewing who our supplier is and what initiatives they have in place.

2. Cutting energy use

We will continue to work closely with our recycling partner to better understand what opportunities exist to reduce the program's carbon footprint. One such example is the use of renewable energy at processing facilities.

3. Investing in carbon offsetting initiatives

Each year, the program runs several initiatives to motivate consumers to recycle their old technology. In the past for example, we used tree planting partners, where a tree is planted for every mobile recycled; tree planting offers an opportunity to offset carbon emissions.

Although this initiative was excluded from the FY23 work plan as there were other priorities to drive awareness and collections for the program, MobileMuster continues to explore and develop campaigns that deliver social and environmental outcomes, such as supporting conservation projects.

4. Advertising

Above the line advertising is an important part of our annual work plan and we acknowledge that this also generates 46% of our annual carbon emissions. This year, MobileMuster is reviewing its suppliers and looking to partner with providers that offer green solutions. For example, MobileMuster is working with JCDecaux to roll outside bus panels for our October campaign. JCDecaux offers a carbon neutral solution, and it is also accredited by Climate Active.

MobileMuster will continue to explore opportunities with JCDecaux and other Climate Active accredited suppliers.

Emissions reduction actions

In FY21, MobileMuster reported emissions reduction initiatives that were in place, including:

- Using sustainable paper options when printing collateral, including using recycled content where available and/or FSC-approved material.
- Moving away from virgin material to product reply-paid satchels.
- Exploring manufacturing opportunities to close the loop, including using plastic recovered from the recycling of mobile phones and accessories as a manufacturing input for our collection unit.

These initiatives were implemented and remain current. In FY22, MobileMuster continued to use sustainable paper options when printing collateral. Our reply-paid satchels continue to be made of 80% recycled content and are recyclable. We also facilitated discussions between stakeholders on ways to use materials recovered from mobile phones and accessories, as well as other mobile telecommunications e-waste in the manufacture of new industry-related products. The latter remains a work in progress. MobileMuster also continues to use plastic recovered from the mobile phones and accessories we recover to manufacture the trophies given out to top collecting carrier stores each year.

These activities will continue; however, it is noted that their impact on emissions reduction is minimal.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e	Emissions intensity of the functional unit
Base year:	2018–19	278.5	3.311
Year 1:	2019–20	278.5	3.288
Year 2:	2020–21	347.8	3.281
Year 3	2021-22	332.1	3.056

Significant changes in emissions

Although MobileMuster's overall greenhouse gas emissions per functional unit have reduced by 7% since FY21, certain aspects of the organisation's footprint have grown. The most significant variations are detailed below. They are linked to variation in spending on services, as well as the overall growth in Mobile Phone Components (MPCs) collected throughout the year.

Emission source name	Current year (tCO ₂ -e and/or activity data)	Previous year (tCO ₂ -e and/or activity data)	Detailed reason for change
Handset, batteries, and mobile component collected; Non MPC eWaste collected	62,631.66	53,856.51	MobileMuster has increased its collection volume of Mobile Phone Components (MPC) and non-MPC e-waste since FY21 by 16%, leading to an equivalent increase in emissions.
Road Freight (Average HGV):	18,471.54	9,015.12	MobileMuster works with a single recycler, which operate in Victoria and New South Wales. In FY22, a significant volume of waste was collected from Western Australia, which increased overall freight efforts. In addition, MobileMuster often collects packaging material alongside MPCs. A significantly larger volume was collected and transported in FY22.
Business services	24,665.63	6,419.45	MobileMuster commissioned large consulting projects throughout the year, resulting in significantly larger spending on business services in FY22.
Technical services	21,419.85	10,726.18	MobileMuster significantly increased its spending on consultancy services, which resulted in doubling the emissions associated

with Technical services.

Use of Climate Active carbon neutral products and services

No Carbon Neutral products were used.

Product/Service emissions summary

Stage	tCO2-e
Accommodation and facilities	0.11
Bespoke	74.04
Electricity	3.03
ICT services and equipment	5.53
Office equipment & supplies	1.20
Postage, courier and freight	24.19
Products	3.02
Professional Services	219.22
Transport (Air)	0.37
Transport (Land and Sea)	1.08
Working from home	0.34

No uplift factors were applied in this assessment.

Emissions intensity per functional unit	3.056
Number of functional units to be offset	108.671
Total emissions to be offset	332.12

6. CARBON OFFSETS

Offsets retirement approach

In arrears	
1. Total number of eligible offsets banked from last year's report	0
2. Total emissions footprint to offset for this report	333
3. Total eligible offsets required for this report	333
4. Total eligible offsets purchased and retired for this report	333
5. Total eligible offsets banked to use toward next year's report	0

Co-benefits

MobileMuster has purchased 333 Gold Standard international carbon credits from Song Chung Hydropower in Vietnam. This project harnesses the flowing energy of the Con River to generate over 60,000MWh of clean, renewable hydroelectricity each year, helping to bridge the supply-demand gap in Vietnam's north, and boost the country's growing renewable sector.

The local minority ethnic communes of Yen Binh, Tien Nguyen, and Tan Nam benefit from potential employment and improvements to local infrastructure, including upgraded roads and communication systems, electricity supply, and clean water.

MobileMuster has also purchased 333 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.

Eligible offsets retirement summary

Offsets cancelled 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 (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 (%)
Mount Sandy Conservation Project			26/10/2022	28943-29275		333	-	-	-	-	-
Song Chung Hydropower Project	CER	CDM	25/10/2022	16553600-16553932	CP2		333	0	0	333	100%
Total offsets retired this report and used in this report										333	
Total offsets retired this report and banked for future reports									0		

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Certified Emissions Reductions (CERs)	333	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 location-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 Approach Summary

Market Based Approach	Activity Data (kWh)	Emissions (kgCO2e)	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 & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	662	0	19%
Residual Electricity	2,898	2,883	0%
Total grid electricity	3,559	2,883	19%
Total Electricity Consumed (grid + non grid)	3,559	2,883	19%
Electricity renewables	662	0	
Residual Electricity	2,898	2,883	
Exported on-site generated electricity	0	0	
Emissions (kgCO2e)		2,883	

Total renewables (grid and non-grid)	18.59%
Mandatory	18.59%
Voluntary	0.00%
Behind the meter	0.00%
Residual Electricity Emission Footprint (TCO2e)	3

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

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
ACT	0	0	0
NSW	3,559	2,776	249
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	3,559	2,776	249
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	0	0	0
Total Electricity Consumed	3,559	2,776	249

Emission Footprint (TCO2e)	3
<i>Scope 2 Emissions (TCO2e)</i>	3
<i>Scope 3 Emissions (TCO2e)</i>	0

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
N/A	0	0

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

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**.

	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

APPENDIX D: OUTSIDE EMISSION BOUNDARY

N/A



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