



# **PUBLIC DISCLOSURE STATEMENT**

**AMTA (MOBILEMUSTER)**

**SERVICE CERTIFICATION  
FY 2019-20**

Australian Government  
**Climate Active**  
**Public Disclosure Statement**



An Australian Government Initiative



REPORTING PERIOD: 1 July 2019 – 30 June 2020

**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.

Signature

Date 16/03/2021

Name of Signatory: Spyro Kalos

Position of Signatory: Head of Product Stewardship



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

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# 1. CARBON NEUTRAL INFORMATION

## Description of certification

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.

The reference unit for the service certification is *'kg CO<sub>2</sub>-e per kg of mobile phone component waste collected and managed through the MobileMuster program'*.

## Organisation description

AMTA is the peak industry 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 of 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 standards.

### Product/service process diagram

The system boundary describes the life cycle stages and unit processes included in the LCA. In the context of a carbon neutrality certification, the system boundary drawn to conduct an LCA is referred as a 'process map', which is used to illustrate the different processes where materials and energy are brought together to move a product or service through its life cycle.

The system being analysed begins at the end-of-life of MPCs and ends once the waste recycling processes have been completed. The following diagram is cradle to grave.

In this case, the system boundary includes 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. LCA typically widens the system boundaries to consider that the production of secondary materials avoids the production 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.

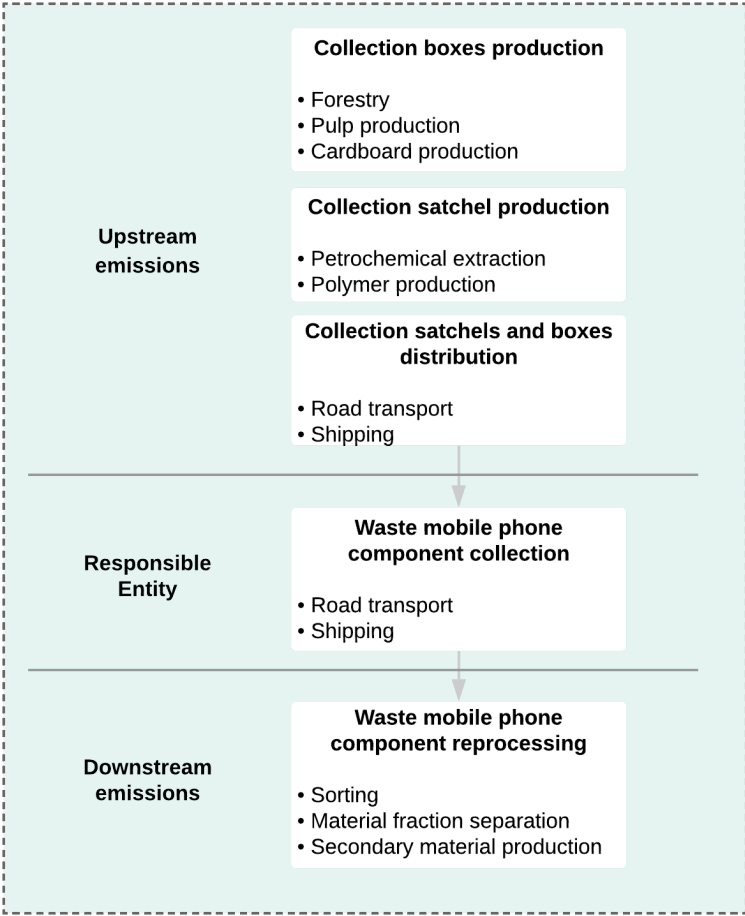


Figure 1 MobileMuster service map.

# 2. EMISSION BOUNDARY

## Diagram of the certification boundary

Because our analysis focuses on the provision of a service, we define attributable processes as all services, materials and energy flows that allow the provision of an MPC collection and reprocessing service to function throughout the year. In that spirit, aspects such as running the office and other administrative tasks are considered to be attributable, as they form part of the system that allows delivery of the service provided by MobileMuster.

Attributable processes are shown on the Emission Boundary diagram below. All direct (Scope 1) and indirect energy (Scope 2) emission sources, as well as all indirect (Scope 3) emission sources have been included. Emissions sources were identified through a detailed review of annual expenditure.

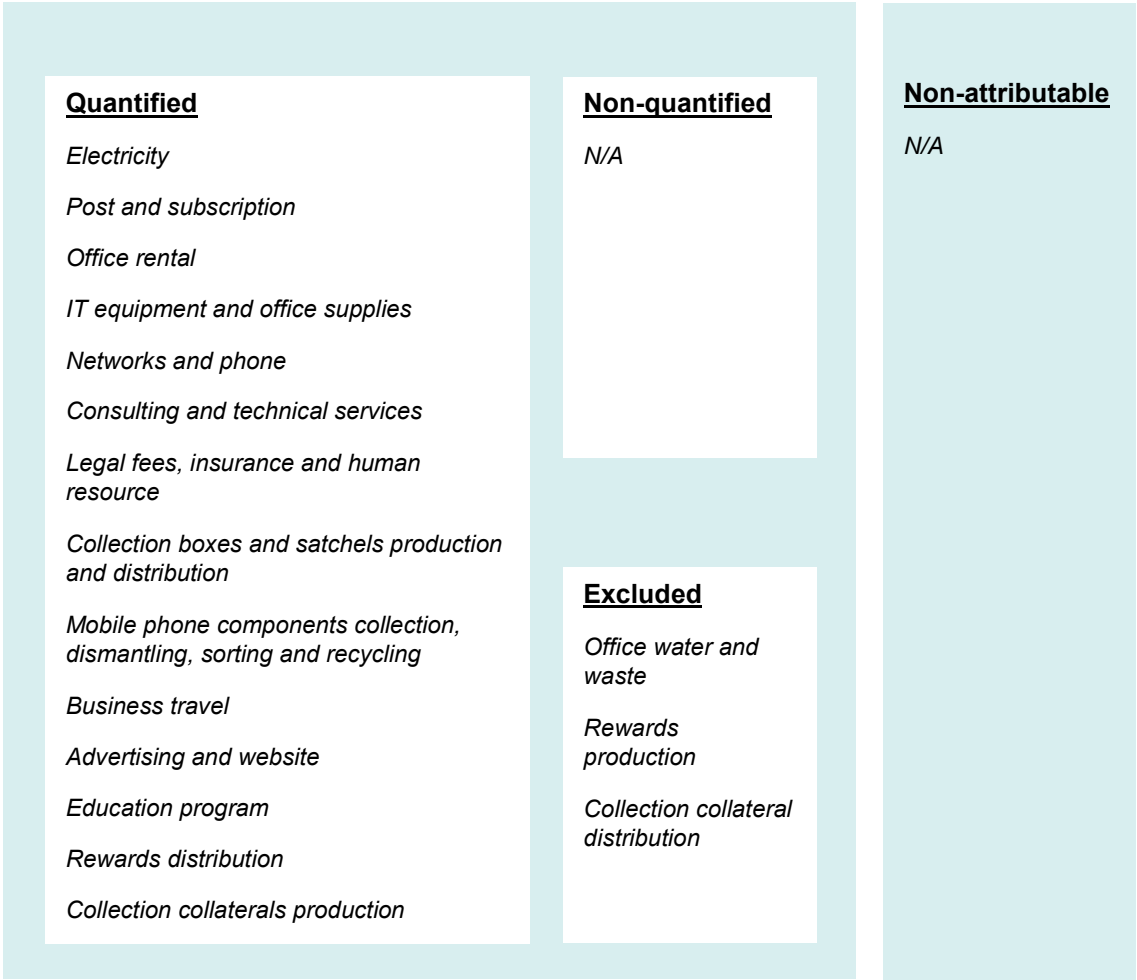


Figure 2 Certification boundary diagram

## Attributable non-quantified sources

N/A

## Excluded sources (within certification boundary)

A small number of attributable processes have been excluded from the study. These processes were excluded on the basis that no primary data were available, and that the overall effect on the results was assumed to be marginal. Excluded processes are detailed below.

1. **Water use** in the MobileMuster office was excluded, as it is included in the office rental agreement, and therefore no water consumption data is available. As water use only concerns staff amenities (toilets and basins), and is supplied from the mains, it will have negligible impacts on the results.
2. **Waste arising** from the MobileMuster office was excluded. Waste from the office includes paper product recycling and general waste disposal. No data regarding the quantities of waste produced in the office were available; however, we expect the mass of waste being produced to be low, resulting in minimal influence on the results.
3. MobileMuster sends rewards to some of its partners, including fruit hampers, for instance. The distribution of these rewards is included because logistics data were available. However, **the production of these rewards is excluded**, on the basis that it would have a very limited impact on the results, as well as no data being available on the production of these rewards.
4. MobileMuster uses collaterals, such as banners or posters, to promote its program. The production of these collaterals was included, but **their distribution was not considered** in this analysis. No data were available on the distribution of collaterals. In addition, the inclusion of the production of collaterals is likely to have a minimal impact on the overall analysis.

## Non attributable sources (outside certification boundary)

The standard defines non-attributable processes as those that are not directly connected to the studied product or service. 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.

# 3. EMISSIONS SUMMARY

## Emissions reduction strategy

AMTA, through the work of MobileMuster is constantly looking at process improvement along with how the program introduces more sustainable options in executing the deliverables of the program. This extends to material used in the production of collateral to support our collection infrastructure and material to promote the program.

A number of initiatives currently in place include:

- sustainable paper options when printing collateral including using recycled content where available and/or FSC approved.
- Move away from virgin material for the production of reply paid satchels, already using 80% recycled content with the hope to moving to 100% recycled content.
- Exploring opportunities in FY20/21 to close the loop with the manufacturing of the MM collection units using plastic recovered from the recycling of mobiles and accessories, eliminating virgin material in the production of these units. This continues to be a work in progress as we are working with a number of suppliers to help facilitate the manufacturing process onshore.
- In 2020 AMTAs North Sydney office moved to green energy through its current provider Energy Australia

Emissions reductions may be achieved in many ways, including by:

- increasing energy efficiency (e.g. by employing energy efficient technologies)
- process changes/improvements (e.g. upgrading equipment)
- substituting products or inputs with those that are less emissions intensive (when providing an equivalent performance)
- changing practices to replace emissions intensive activities with those that generate fewer emissions (e.g. replacing business-related flights with teleconferencing)

## Emissions over time

Table 1

Emissions since base year		
	Base year: 2018-19	Current year Year 1: 2019-20
Emissions per functional unit (tCO2e)	3.311	3.288
OR Total tCO2e if commercially sensitive	278.5	278.5

## Functional units

Table 2

	Number of functional units
a) Number of functional units sold this period	84,700
b) Number of functional units to be forward offset demonstrating commitment to carbon neutrality (true-up to be conducted at the end of the reporting period)	

## Emissions summary (inventory)

Table 3

Emission source category	tonnes CO <sub>2</sub> -e
ICT services and equipment	11.320
Office equipment & supplies	1.368
Professional Services	181.380
Products	11.300
Postage, courier and freight	17.460
Accommodation and facilities	0.454
Air Transport (km)	3.056
Electricity (location based)	6.546
Bespoke – Material reprocessing	44.734
Bespoke – Packaging material	0.855
1. Total inventory emissions	278.5
a. Number of functional units represented by the inventory emissions	84,700
2. Emissions per functional unit (based on the number of functional units represented by the inventory) Total tCO <sub>2</sub> -e divided by the number of functional units in 1a.	3.288
3. Carbon footprint (Emissions per functional unit (2)* number of functional units (a or b from table 2))	278.5

## Uplift factors

No uplift factors were applied in this assessment.



## Carbon neutral products

No Carbon Neutral products were used.

## 4. CARBON OFFSETS

Carbon credits retired on behalf of The Australian Mobile Telecommunications Association to comply with the Climate Active certification corresponding to FY2019/20.

**Offset purchasing strategy:** in arrears

## Offsets summary

Table 6

<b>1. Total offsets required for this report</b>				279 tonnes of greenhouse gas emissions					
<b>2. Offsets retired in previous reports and used in this report</b>				0					
<b>3. Net offsets required for this report</b>				279 tonnes of greenhouse gas emissions					
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO2-e)	Quantity used in previous report	Quantity banked for future years	Quantity used in this report
InfraVest Changbin & Taichung Bundled Wind Farm Project   Taiwan(300190) (GS472)	VER	G Impact Registry	15 Dec 2020	<a href="#">GS1-1-TW-GS472-12-2018-18583-54359-54639</a>	2018	281	0	2	279
<i>Total offsets retired this report and used in this report</i>									279
<i>Total offsets retired this report and banked for future reports</i>								2	

## Co-benefits

The project involves the development of two onshore wind farms (103.5 MW and a 46 MW). The project consists of 45 plus 20 wind turbines each with a capacity of 2.3 MW. The project will generate 507 MWh/year, which is delivered to the national grid. The electricity produced will be exported to the regional state electricity authority Tai-Power. Therefore the emission reductions from the project activity will come from the avoidance of carbon dioxide emissions from fossil fuel use at the national electricity grid.

## 5. USE OF TRADE MARK

Table 7

Description where trademark used	Logo type
MM Annual report	As a certified service
MM & AMTA website	As a certified service
MM Social media channels announcing accreditation	As a certified service

# APPENDIX 1

## Non-attributable emissions for products and services

To be deemed attributable an emission must meet two of the five relevance criteria. Non-attributable emissions are detailed below against each of the five criteria.

**Table 8**

Relevance test					
Non-attributable emission	<i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i>	<i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i>	<i>Key stakeholders deem the emissions from a particular source are relevant.</i>	<i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i>	<i>The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.</i>
Water use (office)	No	No	No	Yes	No
Waste arising (office)	No	No	No	Yes	No
Rewards production	No	No	No	No	No
Collection collateral distribution	No	No	No	No	No

## APPENDIX 2

### Non-quantified emissions for products/services

N/A