

Australian Government
Climate Active Public Disclosure Statement



An Australian Government Initiative




NAME OF CERTIFIED ENTITY: Australian Mobile Telecommunications Association Limited

REPORTING PERIOD: 1 July 2018 – 30 June 2019

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 4 Sept 2020
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

The Australian Mobile Telecommunications Association (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.

AMTA intends to certify its product stewardship scheme as carbon neutral under the Australian Government's Climate Active certification scheme. This certification includes all activities undertaken to provide the service of collecting, sorting and recycling mobile phone components (MPC) in Australia, on behalf of AMTA and its members, under the MobileMuster product stewardship program.

The reference unit for the service certification is *'kg CO₂-e per kg of mobile phone component waste collected and managed through the MobileMuster program'*.

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.

In this case, the system being analysed begins at the end-of-life of MPCs and ends once the waste recycling processes have been completed. The system boundary used for this analysis is shown in Figure 1.

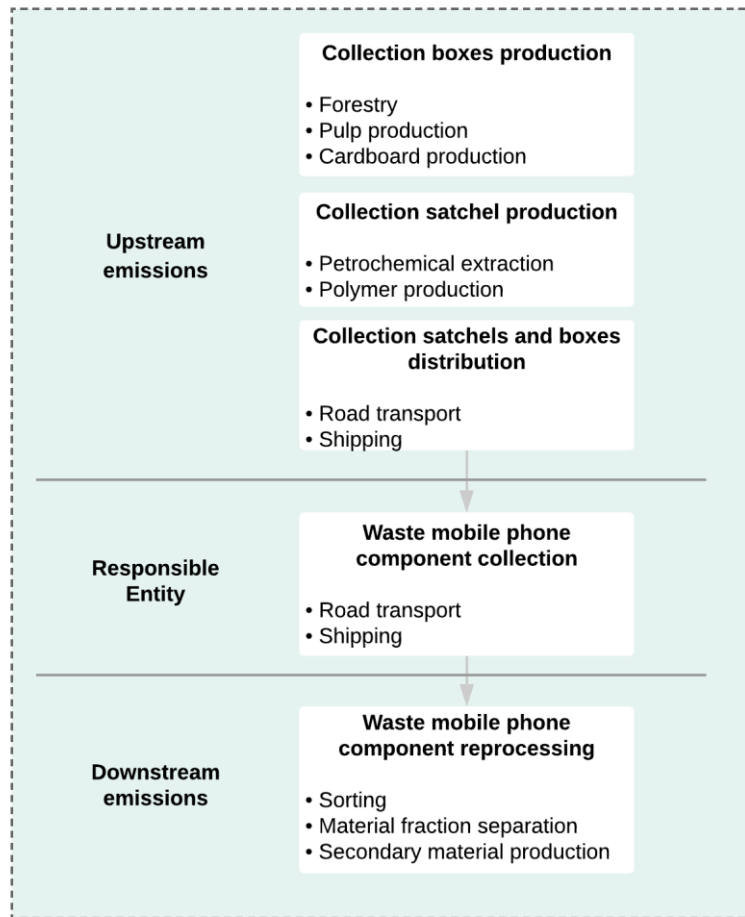


Figure 1 Mobile Muster service map.

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.

2. Emission Boundary

Diagram of the certification boundary

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.

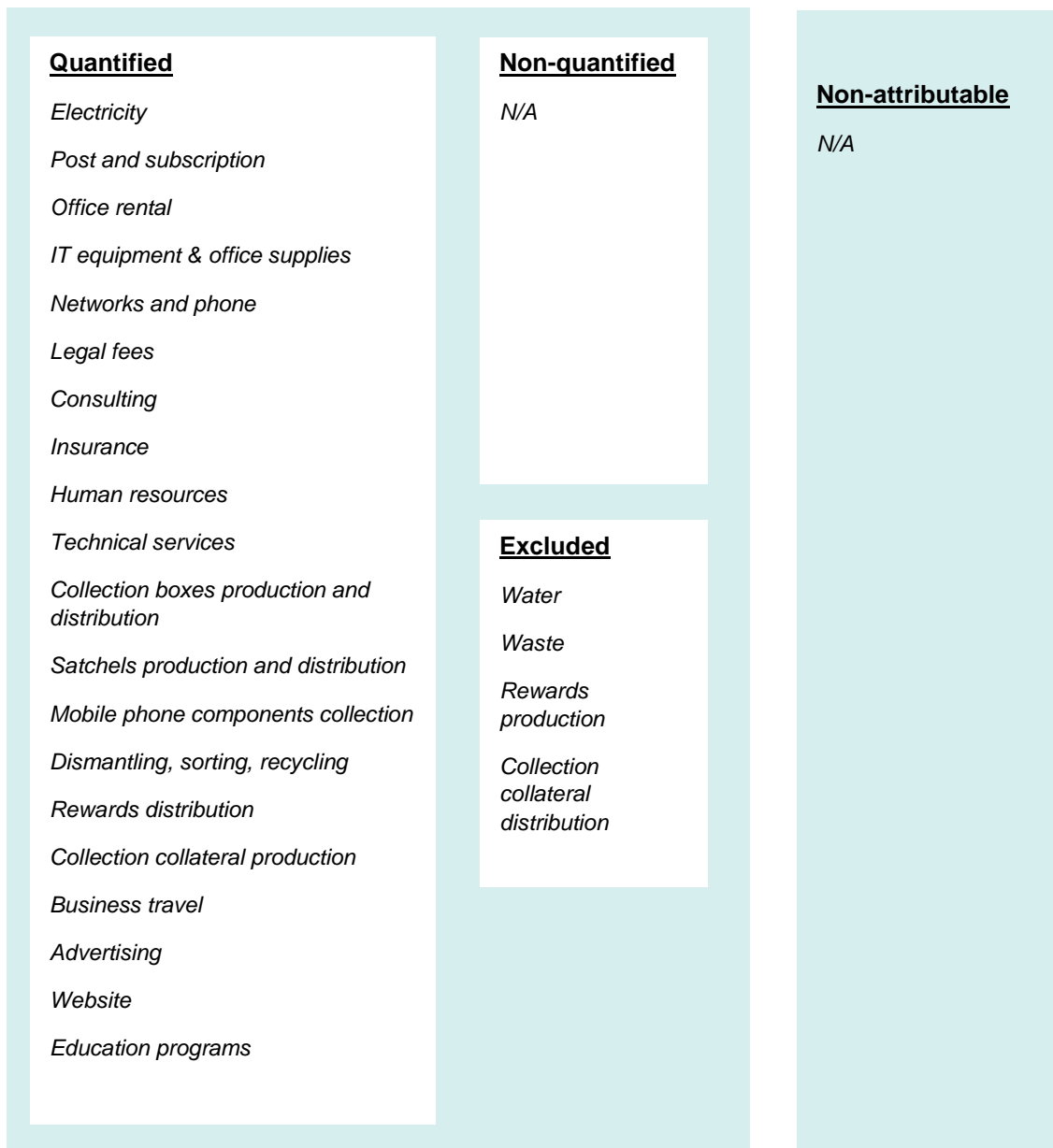


Figure 2: Certification Boundary diagram

Excluded sources

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

Table 3. Emissions Summary (inventory)	
Emission source category	tonnes CO ₂ -e
Office – electricity (location based)	6.546
Post and subscription	1.038
Office rental	7.410
IT equipment and office supplies	0.779
Networks and phone	3.464
Legal fees	4.673
Consulting	4.580
Insurance	0.039
Human resources	0.550
Technical services	9.282
Collection boxes production	14.772
Collection boxes distribution	0.826
Satchels production	0.802
Satchels distribution	0.040
Mobile phone components collection	7.968

Dismantling, sorting, recycling	44.734
Rewards distribution	0.435
Collection collaterals production	4.750
Business travel	3.510
Advertising	135.625
Website	7.134
Education program	19.515
1. Total inventory Emissions	278.5
2. Net emissions per reference unit (based on number of reference units represented by inventory)	3.311
3. A) Number of reference units sold this period OR B) Number of reference units to forward offset to demonstrate commitment to carbon neutrality (true-up to be conducted at end of reporting period)	84,100
4. Carbon Footprint (Net emissions per reference units (2) * number of reference units (3a or b))	278.5

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 of moving to 100% recycled content.
- Exploring opportunities 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

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)

Uplift factors

No uplift factors were applied in this assessment.

Carbon Neutral products

No Carbon Neutral products were used.

Electricity Summary

Electricity was calculated using a Location based approach.

The Climate Active team are consulting on the use of a market vs location-based approach for electricity accounting. Given a decision is still pending on the accounting way forward, a summary of emissions using both measures has been provided for full disclosure and to ensure year on year comparisons can be made.

Table 5: Market based approach Electricity summary

Market Based Approach:

Electricity Inventory items	kWh	Emissions tonnes CO2e)
Electricity Renewables	1,353	0.00
Electricity Carbon Neutral Power	0	0.00
Electricity Remaining	5,920	6.40
Renewable electricity percentage	19%	
Net emissions (Market based approach)		6

Table 6 Location-based summary

State/ Territory	Electricity Inventory items	kWh	Full Emission factor (Scope 2 +3)	Emissions (tonnes CO2e)
ACT/NSW	Electricity Renewables	-	-0.90	0.00
ACT/NSW	Electricity Carbon Neutral Power	-	-0.90	0.00
ACT/NSW	Netted off (exported on-site generation)	-	-0.81	0.00
ACT/NSW	Electricity Total	7,273	0.90	6.55
	Total net electricity emissions (Location based)		0.00	6.55

4. Carbon offsets

Carbon credits retired on behalf of The Australia Mobile Telecommunications Association to comply with the Climate Active certification corresponding to FY19

Offset purchasing strategy: in arrears

Table 4 **Offsets Summary**

1. Total offsets required for this report				278.5					
2. Offsets retired in previous reports and used in this report				0					
3. Net offsets required for this report				278.5					
<i>Project description</i>	<i>Eligible offset units type</i>	<i>Registry unit retired in</i>	<i>Date retired</i>	<i>Serial number (including hyperlink to registry transaction record)</i>	<i>Vintage</i>	<i>Quantity (tonnes CO2-e)</i>	<i>Quantity used for previous report</i>	<i>Quantity to be banked for future years</i>	<i>Quantity to be used this report</i>
InfraVest Changbin & Taichung Bundled Wind Farm Project Taiwan (300190) (GS472)	VER	GS	19 Aug 2020	GS1-1-TW-GS472-12-2017-6457-102210-102489	2017	280	0	1.5	278.5
Total offsets retired this report and used in this report									278.5
Total offsets retired this report and banked for future reports								1.5	

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 5

Description where trademark used	Logo type
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MM Annual Report	As a certified Organisation
MM & AMTA Website	As a certified Organisation
MM Collateral including but not limited to video content, collection units, or marketing collateral.	As a certified organisation

5. Additional information

Appendix 1: Excluded emissions

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

Excluded Emission	Relevance Test				
	<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