PUBLIC DISCLOSURE STATEMENT

MAKO ARCHITECTURE PTY LTD

ORGANISATION CERTIFICATION
CY2020

Australian Government

Climate Active
Public Disclosure Statement

MAKO ARCHITECTURE

An Australian Government Initiative

Climate Active

NAME OF CERTIFIED ENTITY: MAKO Architecture Pty Ltd

REPORTING PERIOD: 1 January 2020 – 31 December 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: 06.07.2021

Name of Signatory: Alexander Koll

Position of Signatory: Director

Australian Government
Department of Industry, Science, Energy and Resources

Version number February 2021

1. CARBON NEUTRAL INFORMATION

Description of certification

MAKO Architecture Pty Ltd is certified carbon neutral for its Australian business operations, ABN 26 603 737 891.

Organisation description

MAKO Architecture emerged from a shared a vision to create an urban design focused practice where ideas, process and the environment are at the forefront. We are a design practice composed of highly experienced registered Architects; a productive built environment studio benefiting from the collective knowledge and creativity of our team and collaborators.

MAKO is guided by a strong sense of curiosity and of responsibility to future generations, imbuing our drive to find comprehensive, resilient and often unexpected solutions.

MAKO Architecture is primarily located in Sydney, where the main office is located. There is a smaller, secondary office located in Canberra. Mako Architecture does not trade under any other name.

Climate Active is important to MAKO Architecture as we feel it is our responsibility to our clients and to the community to be making positive change in our industry.

2. EMISSION BOUNDARY

Diagram of the certification boundary

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary.

Quantified

Accommodation and facilities

Air transport (km)

Cleaning and chemicals

Electricity

Food

ICT services and equipment

Land and sea transport

Office equipment & supplies

Postage, courier and freight

Stationary energy

Waste

Working from home

Non-quantified

Water

Excluded

Refrigerants

Non-quantified sources

Water consumption has not been quantified, and an uplift factor has been applied.

Data management plan

Water consumption information for tenanted office spaces will be collected in the form of purchase records.

Excluded sources (outside of certification boundary)

Although refrigerants are deemed relevant emissions under the small organisation certification, we do not use refrigerants as tenanted spaces are shared and are not owned or operated by Mako. As such, it has not been included in PDS or carbon inventory.

Not required as all relevant emission sources have been quantified.

MAKO Architecture are signatories to "Architects Declare" and we take this positive step towards carbon neutrality as part of an ongoing commitment to sustainability in our work and in our practice.

3. EMISSIONS SUMMARY

Emissions reduction strategy

MAKO Architecture has limited opportunities to reduce emissions as it rents its offices and has limited fuel consumption. However, MAKO has begun reducing electricity emissions by purchasing 100% GreenPower. This would have reduced emission by approximately 4 tonnes, based on 2019 consumption that was not impacted by the effects of COVID-19.

Emissions over time

Mako's emissions have fallen since the previous reporting period (CY2019) due to a number of factors. There have been significant emission reductions due to the impacts of COVID-19, with business travel, office visits (and associated staff commuting), and electricity consumption all decreasing significantly as a result. This has, to a limited extent, been offset by increased emissions associated with working from home and additional purchases of IT equipment to facilitate staff working from home. Electricity emissions reductions, as discussed during the emissions reduction strategy, have been reduced through the procurement of GreenPower.

Table 1

Emissions since base year		
	Base year: 2019	Year 1: 2020
Total tCO2e	14.56	6.478

A summary of the major emission changes from CY2019 to CY2020 are shown in the table below.

Emission source	Previous reporting period		This reporting period		% change from previous year activity data	% Contribution to inventory	Reason for change	Detailed reason for change
	Activity Data	Total Emissions (kg CO2e)	Activity Data	Total Emissions (kg CO2e)				
Computer equipment	2447.43	396.9863003	3811.31	680.0342064	56%	11%	natural disaster	Covid related impacts
Telecommunications	8026.24	1269.1431	8579.34	1356.237853	7%	22%	natural disaster	Covid related impacts
Petrol: Medium Car	22860	4395.5208	7620.90207	1421.984117	-67%	23%	natural disaster	Covid related impacts
Printing and stationery	0	0	731.67	529.211247	100%	9%		Previously captured under office supplies, more granular data now available
General waste (municipal waste)	1.42	1704	0.48530137	776.4821918	-66%	13%	natural disaster	Covid related impacts
Total net electricity emissions (Market based)	4196.6425	4196.642502	99.9910207	99.99102066	-98%	2%	green procurement	Procurement of GreenPower for tenant electricity

As can be seen in the above table, the majority of the changes to the carbon inventory have been caused by COVID related impacts such as decreased business travel, waste, and office electricity consumption. Electricity was also impacted by green procurement policies.

Emissions reduction actions

There have been significant emission reductions arising from the effects of COVID 19 on staff commuting, office travel, however, there has also been direction actions taken by MAKO to reduce emissions. Primarily, MAKO has begun purchasing 100% GreenPower for the Sydney office reducing emissions by approximately 4 tonnes, or approximately 28% of the total inventory. MAKO will continue to purchase GreenPower moving forward.

Emissions summary (inventory)

Table 2

Emission source category	tonnes CO_2-e
Accommodation and facilities	0.000
Air Transport (km)	0.000
Cleaning and Chemicals	0.007
Electricity	0.100
Food	0.000
ICT services and equipment	2.036
Land and Sea Transport (km)	1.565
Office equipment & supplies	0.596
Stationary Energy	0.000
Postage, courier and freight	0.000
Waste	0.776
Working from home	1.031
Total Net Emissions	6.112

Uplift factors

Table 3

Reason for uplift factor	tonnes CO_2-e
Mandatory 5% uplift	0.306
1% uplift for water consumption	0.061
Total footprint to offset (uplift factors + net emissions)	6.478

Carbon neutral products

MAKO Architecture did not use any carbon neutral products during CY2020.

Electricity summary

Electricity was calculated using a market-based approach.

Market-based approach summary

Market-based approach	Activity Data (kWh)	Emissions (kgCO2e)	Renewable %
Behind the meter consumption of electricity generated	0	0	0.0%
Total non-grid electricity	**0**	**0**	**0.0%**
LGC Purchased and retired (kWh) (including PPAs)	0	0	0.0%
GreenPower	1,821	0	74.0%
Jurisdictional renewables	73	0	3.0%
Residual Electricity	93	100	0.0%
Large Scale Renewable Energy Target (applied to grid electricity only)	475	0	19.3%
Total grid electricity	**2,462**	**100**	**96.2%**
Total Electricity Consumed (grid + non grid)	**2,462**	**100**	**96.2%**
Electricity renewables	2,369	0	
Residual Electricity	93	100	
Exported on-site generated electricity	**0**	**0**	
Emission Footprint (kgCO2e)		100	

Emission Footprint (TCO2e)	**0**
LRET renewables	**19.3%**
Voluntary Renewable Electricity	**76.9%**
Total renewables	**96.2%**

Location-based approach summary

Location-based approach	Activity Data (kWh)	Emissions (kgCO2e)
ACT	73	66
NSW	1,821	1,639
Grid electricity (scope 2 and 3)	**1,894**	**1,704**
ACT	0	0
NSW	0	0
Non-grid electricity (Behind the meter)	**0**	**0**
Total Electricity Consumed	**1,894**	**1,704**

Emission Footprint (TCO2e)	**2**

4. CARBON OFFSETS

Offsets strategy

Offset purchasing strategy: **In arrears**	
1. Total offsets previously forward purchased and banked for this report	*0*
2. Total emissions liability to offset for this report	*7*
3. Net offset balance for this reporting period	*7*
4. Total offsets to be forward purchased to offset the next reporting period	*0*
5. Total offsets required for this report	*7*

Co-benefits

All offsets that have been acquired and surrendered are from the RIPPLE Africa cook stove project in Nkhata Bay District, Malawi. The project is run by RIPPLE Africa (a charity from the UK) and involves the installation of low cost, high efficiency wood fired cook stoves specially designed for local conditions. RIPPLE has so far replaced about 40,000 traditional three-stone cooking fires with fuel efficient cook stoves and the project therefore benefits approximately 200,000 people. The project has lots of benefits because traditional three-stone fires:

- Consume a huge amount of wood resulting in major deforestation. It also takes a lot of time to collect all this wood. This time can be spent on education and other activities.
- Produce lots of smoke and so cause health problems such and lung cancer and child pneumonia. This mostly affects women and children.
- Are unsafe for children.

RIPPLE Africa has made this fuel efficient cook stove a way of life and has significantly reduced Malawi's greenhouse gas emissions and can be seen in RIPPLE's video

RIPPLE Africa will use the funds from the sale of the credits to expand the project and support other RIPPLE Africa activities such as fish conservation, tree planting, forest conservation, education and health care services. RIPPLE Africa wants to expand the project so that 500,000 people will benefit from this fuel efficient cook stove. All RIPPLE's activities address various Sustainable Development Goals. The cook stove project alone addresses the following SDGs:


1 NO POVERTY
3 GOOD HEALTH AND WELL-BEING
7 AFFORDABLE AND CLEAN ENERGY
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
15 LIFE ON LAND

Offsets summary

Proof of cancellation of offset units

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**	**Eligible Quantity (TCO2-e)**	**Quantity used for previous reporting periods**	**Quantity banked for future reporting periods**	**Quantity used for this reporting period claim**	**Percentage of total (%)**
RIPPLE Africa cookstove project in Malawi • link to official project documentation (project name Project 9933: Improved Cook Stove Project 1, Nkhata Bay District, Malawi) • link to RIPPLE Africa website	CER	CDM	21 April 2021	Start serial number MW-5-166580-2-2-0-9933 End Serial Number MW-5-166586-2-2-0-9933	CP2	7	0	0	7	100%
									Total offsets retired this report and used in this report	7
									Total offsets retired this report and banked for future reports	0
Additional offsets cancelled for purposes other than Climate Active Carbon Neutral certification										**0**

Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Eligible Quantity (TCO2-e)	Purpose of cancellation	
-	-	-	-	-	-	-	-	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of Total
Certified Emissions Reductions (CERs)	7	100%

5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Mako Company Profile	Certified Organisation
Mako Company Website	Certified Organisation

6. ADDITIONAL INFORMATION

Not applicable

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.

Table 9

Relevance test					
Excluded emission sources	*The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions*	*The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.*	*Key stakeholders deem the emissions from a particular source are relevant.*	*The responsible entity has the potential to influence the reduction of emissions from a particular source.*	*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.*
Refrigerants	No	No	No	No	No

APPENDIX 2

Non-quantified emissions for organisations

Table 10

Non-quantification test				
Relevant-non-quantified emission sources	*Immaterial <1% for individual items and no more than 5% collectively*	*Quantification is not cost effective relative to the size of the emission but uplift applied.*	*Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.*	*Initial emissions non-quantified but repairs and replacements quantified*
Water	Yes	-	Yes	-

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