



PUBLIC DISCLOSURE STATEMENT


WAX DESIGN PTY LTD

ORGANISATION CERTIFICATION

FY2021–22

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	WAX Design Pty Ltd
REPORTING PERIOD	1 July 2021 – 30 June 2022
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>
	Georgia McPeake Studio & Marketing Manager 27 th June 2023



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

Public Disclosure Statement documents are prepared by the submitting organisation. The material in the Public Disclosure Statement document represents the views of the organisation and do not necessarily reflect the views of the Commonwealth. The Commonwealth does not guarantee the accuracy of the contents of the Public Disclosure Statement document and disclaims liability for any loss arising from the use of the document for any purpose.

Version March 2023.

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	17 tCO ₂ -e
OFFSETS USED	100% ACCUs
RENEWABLE ELECTRICITY	N/A - using location-based method
CARBON ACCOUNT	Prepared by: Organisation
TECHNICAL ASSESSMENT	Next technical assessment due: n/a Small Organisation and ongoing certification

Contents

1. Certification summary.....	3
2. Carbon neutral information.....	4
3. Emissions boundary.....	5
4. Emissions reductions.....	7
5. Emissions summary.....	9
6. Carbon offsets.....	11
7. Renewable Energy Certificate (REC) Summary.....	14
Appendix A: Additional Information.....	15
Appendix B: Electricity summary.....	16
Appendix C: Inside emissions boundary.....	20
Appendix D: Outside emissions boundary.....	21

2. CARBON NEUTRAL INFORMATION

Description of certification

The Climate Active Carbon Neutral certification is for WAX Design and represents the reporting period of 1 July 2021 – 30 June 2022.

The certification is based on the Australian business operations of WAX Design Pty Ltd (ABN 41 117 346 264) as Trustee for the KEATES/BALMER TRUST (ABN 74 250 383 949), and the Climate Active standards for small organisations and includes all emissions within its operational control.

Organisation description

Formed in 2006, by directors Warwick Keates and Amanda Balmer, WAX Design is a multi-disciplinary studio working across a range of specialised fields, including landscape architecture, architecture and the built environment, urban planning, place-making, and playspace and outdoor education design. Collaboration is essential to our design process, an approach that begins in the studio with shared conversations and ends in the delivery of high-quality design solutions sensitive to the needs of our clients and communities. Our clients extend across local and state governments and the private sector.

Located in the CBD of Adelaide, South Australia, our team consists of eight multidisciplinary designers and support staff. The majority of our work is completed within our studio, with some regional and interstate travel required for key site visits, face-to-face meetings and public consultations. We maintain a practice that is of a size that gives clients immediate access to the two directors, who are closely involved in every project. At the same time, we have the capacity and team dynamics to deal with even the most complex processes and projects.

As landscape architects, we are deeply committed to the concept of thinking greener – more sustainable and more resilient. Our focus is to produce legacy landscapes enjoyed by future generations; to generate healthy places in which communities can live, work and play; and, to future-proof our shared ecological health by ensuring green infrastructure is at the heart of all our designs.

3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation 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 relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however are **optionally included**.

Non-quantified emissions have been assessed as relevant 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

Excluded emissions are those that have been assessed as not relevant to an organisation's operations and are outside of its emissions boundary or are outside of the scope of the certification. These emissions are not part of the carbon neutral claim. Further detail is available at Appendix D.

Inside emissions boundary

Quantified

Electricity
Accommodation
Carbon neutral products and services
Cleaning and chemicals
ICT services and equipment
Office equipment and supplies
Refrigerants
Transport (air)
Transport (land and sea)
Waste
Water

Non-quantified

Office furniture
Professional services
Postage, courier and freight
Working from home
Food & catering

Optionally included

n/a

Outside emission boundary

Excluded

n/a

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

WAX Design's emissions reduction target is to reduce emissions by 20% by 2025 and 30% by 2030, compared to a FY 2020-21 base year.

To achieve this target, we will be:

- Procuring 100% Green Power from a Climate Active Carbon Neutral electricity retailer or a local Green retailer as listed in the Green Electricity Guide by Greenpeace, reducing emissions by 15%.
- Implementing improved waste management practices including increased waste streams aiming for a >90% landfill diversion rate by 2025.
- Transitioning to hybrid electric fleet vehicles in the next 2-5 years and fully electric fleet vehicles by 2030, reducing fuel emissions by 17% when powered by 100% renewable energy supplies.
- Measuring and reporting our energy consumption and carbon footprint annually.
- Generate and utilise solar energy throughout the day and export excess to the grid.
- Minimising energy and water consumption through sustainable behaviours including turning lights and equipment off when not in use, turning lights off when daylight levels are sufficient and reducing heating/cooling usage by wearing appropriate clothing and utilising natural resources.
- Use environmentally friendly, recycled, biodegradable, carbon neutral certified and refillable products wherever possible, for office equipment and products.
- For day-to-day meetings, staff are encouraged to ride or walk to meetings, or where that is not possible to use Flexicar or other ride sharing services.
- Encourage active and sustainable transport options for staff commute.
- Installing energy saving devices, switches and light fittings in our studio.
- Promoting our commitments to our clients, project partners and associated programs to encourage sustainable change within the built environment industry.
- Encouraging our staff to minimise their impacts at both the studio and at home.

Emissions reduction actions

WAX Design is continually researching and implementing emission reduction initiatives to reduce our carbon footprint.

- Continue to generate and utilise solar energy throughout the day and export excess to the grid. Energy costs and efficiencies are maximized where possible in the studio e.g the dishwasher is put on during the day in summer when the solar panels are producing the most energy.
- We continue to encourage active and sustainable transport options for staff commute by providing bicycle storage areas and locker/storage facilities.
- We have made the change to using Carbon Neutral branded A3 & A4 office paper.
- All printer toners, batteries, electronic equipment are disposed of and recycled in the approved facilities.

- Although virtual meetings were increased due to Covid-19, we have continued to implement these using Microsoft Teams and Zoom as part of our normal operating practice, to reduce any unessential travel.

5. EMISSIONS SUMMARY

Emissions over time

		Emissions since base year	
		Total tCO ₂ -e (without uplift)	Total tCO ₂ -e (with uplift)
Base year:	2020-21	16.9	17.8
Year 1:	2021-22	15.5	16.3

Significant changes in emissions

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Petrol / Gasoline post-2004	3	4.4	Increased business vehicle usage resulting in increased fuel use
Medium Car: unknown fuel	2	2.2	Change in staff commute transport mode and increased private vehicle usage

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

Certified brand name	Product/Service/Building/Precinct used
Opal Australian Paper	Aspire Carbon Neutral Paper A3 & A4

Emissions summary

The electricity summary is available in the Appendix B. Electricity emissions were calculated using a location-based approach.

Emission category	Sum of Scope 1 (t CO2-e)	Sum of Scope 2 (t CO2-e)	Sum of Scope 3 (t CO2-e)	Sum of Total Emissions (t CO2-e)
Accommodation and facilities	0.00	0.00	0.06	0.06
Cleaning and Chemicals	0.00	0.00	0.38	0.38
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Electricity	0.00	0.91	0.21	1.12
ICT services and equipment	0.00	0.00	3.36	3.36
Office equipment & supplies	0.00	0.00	1.19	1.19
Refrigerants	0.38	0.00	0.00	0.38
Stationary Energy	0.00	0.00	0.00	0.00
Transport (Air)	0.00	0.00	0.77	0.77
Transport (Land and Sea)	3.53	0.00	4.34	7.87
Waste	0.00	0.00	0.30	0.30
Water	0.00	0.00	0.04	0.04
Total	3.91	0.91	10.66	15.48

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions that cannot be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO ₂ -e
5% uplift for small organisations	0.77
Total of all uplift factors	0.77
Total emissions footprint to offset <i>(total emissions from summary table + total of all uplift factors)</i>	16.25

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 17 t CO₂-e. The total number of eligible offsets used in this report is 17t. Of the total eligible offsets used, 17t were previously banked and 0t were newly purchased and retired. 25 are remaining and have been banked for future use.

Co-benefits

The below information has been sourced from the Carbon Market Institute website for the Nyaliga Fire Project. WAX Design chose the Nyaliga Fire Project as it was based in Australia and provided a range of environmental and social outcomes while also supporting Traditional Owners.

About the Project

The Nyaliga Fire Project was registered in 2017 by Nyaliga Aboriginal Corporation as the Traditional Owners of the land now known as the Karunjie and Durack River Pastoral Stations in the East Kimberley of Northern WA. The project involves controlled early dry season burning – aerial and on-ground – carried out by Nyaliga Traditional Owners, including the Nyaliga indigenous ranger team, which was formally established in 2020.

Burning operations are carried out in line with traditional indigenous knowledge and practice, but utilising modern technologies, including satellite sensing / mapping and aerial incendiary drops with helicopters. Operations are aimed at creating a patchwork of cool season burns as firebreaks, limiting destructive late season wildfires and associated greenhouse gas emissions, while ensuring protection of biodiversity and cultural sites. Nyaliga Traditional Owners are trained and employed to carry out burning on-country, and revenue generated from the sale of ACCUs is reinvested into ongoing fire management to ensure the sustainability of the project and the co-benefits it delivers.

The Nyaliga Fire Project is supported by the Kimberley Land Council (KLC) for fire and carbon operations, Wilinggin Aboriginal Corporation and the Wanjinna-Wunggurr (Native Title) Aboriginal Corporation (RNTBC), as well as ILSC as the current leaseholder.

Project Benefits

The Nyaliga Fire Project proved the catalyst to improved governance of Nyaliga Aboriginal Corporation and forms a crucial aspect of the work done by the Nyaliga Rangers. Supported by a range of partners, Nyaliga now have a team of six looking after country and being trained in fire operations to carry out the Project. Fire management outcomes are not limited to carbon abatement – operations are in fact targeted at limiting late-season wildfire to ensure the protection of life, infrastructure, cultural places and habitat for important species, facilitating access and connection to country for Traditional Owners and their children and grandchildren, allowing for the transfer of traditional knowledge and skills to the next generation, and providing economic opportunities through training and employment. The sale of ACCUs from the project

will constitute the first income for Nyaliga Aboriginal Corporation, with all revenue re-invested into fire management and the social, cultural and economic benefits it entails for our community.

Eligible offsets retirement summary

Offsets retired 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 retired (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 (%)
Nyaliga Fire Project	KACCU	ANREU	28/6/22	3,801,649,321 –	2020-		60	18	25	17	100%
				3,801,649,380	2021						
Total eligible offsets retired and used for this report										17	
Total eligible offsets retired this report and banked for use in future reports									25		
Type of offset units		Eligible quantity (used for this reporting period)					Percentage of total				
Australian Carbon Credit Units (ACCU)		17					100%				

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A

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 (kgCO2e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	2,593	0	46%
Total non-grid electricity	2,593	0	46%
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)	563	0	10%
Residual Electricity	2,466	2,453	0%
Total grid electricity	3,029	2,453	10%
Total Electricity Consumed (grid + non grid)	5,621	2,453	56%
Electricity renewables	3,156	0	
Residual Electricity	2,466	2,453	
Exported on-site generated electricity	0	0	
Emissions (kgCO2e)		2,453	

Total renewables (grid and non-grid)	56.14%
Mandatory	10.02%
Voluntary	0.00%
Behind the meter	46.12%
Residual Electricity Emission Footprint (TCO2e)	2

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	0	0	0
SA	3,029	909	212
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)	3,029	909	212
ACT	0	0	0
NSW	0	0	0
SA	2,593	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)	2,593	0	0
Total Electricity Consumed	5,621	909	212

Emission Footprint (TCO2e)	1
<i>Scope 2 Emissions (TCO2e)</i>	1
<i>Scope 3 Emissions (TCO2e)</i>	0

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO ₂ -e)
n/a	0	0
<p><i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market based method is outlined as such in the market based summary table.</i></p>		

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
n/a	0	0
<p><i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market based summary table.</i></p>		

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. They have been non-quantified due to one of the following reasons:

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

Relevant non-quantified emission sources	Justification reason
Office furniture	Immaterial: <1%
Professional services	Immaterial: <1%
Food and catering	Immaterial: <1%
Postage, courier and freight	Immaterial: <1%
Working from home	Immaterial: <1%

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 EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to this organisation's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions.
2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.
3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.
4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.
5. **Outsourcing** 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.

Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
n/a	n/a	n/a	n/a	n/a	n/a	





An Australian Government Initiative

