



# **PUBLIC DISCLOSURE STATEMENT**

**WAX DESIGN PTY LTD**

**ORGANISATION CERTIFICATION**

**FY20-2021**

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



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	WAX Design Pty Ltd
REPORTING PERIOD	1 July 2020 - 30 June 2021
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>Keri Nottage Studio Manager Date 20/05/22</p>



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

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Version September 2021. To be used for FY20/21 reporting onwards.



# 1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	18 tCO <sub>2</sub> -e
OFFSETS BOUGHT	100% ACCUs
RENEWABLE ELECTRICITY	0%
TECHNICAL ASSESSMENT	Small organisation – Technical assessment not required
THIRD PARTY VALIDATION	Type 1 11/06/22 Alexander Stathakis Conversio

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## 2. CARBON NEUTRAL INFORMATION

### Description of certification

The Climate Active Carbon Neutral certification is for WAX Design as an organisation for the 2021 financial year.

The certification is based on the Australian business operations of WAX Design PTY LTD, trading as WAX Design, 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 Warwick Keates and Amanda Balmer, WAX Design is a multi disciplinary Landscape Architecture studio.

Since then we have grown a reputation for projects that are inventive, resolved and responsive to their surroundings. Just as important is our standing as people who are good to work with, flexible in our dealings and thorough in everything we do.

Our award-winning body of work spans the fields of landscape architecture and environment, urban design and place making, art and design, play and education. Whatever the project, we start from the premise that the best work comes from collaboration—with the client, with professional colleagues and with the communities our projects serve. The collaborative process begins in our studio, where a team of multidisciplinary designers work collectively to uncover the hidden opportunities within each site, place or project.

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. Our clients extend across local and state governments and the private sector.

*“As Landscape Architects, sustainability and environmental impact are import for us and our projects. We are committed to reducing our impact and Climate Active Carbon Neutral Certification is one of the ways we are demonstrating our*

## 3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary. Emission sources can be excluded if they do not occur.

### 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 or precinct'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

*Accommodation and facilities*  
*Air Transport (km)*  
*Carbon neutral products and services*  
*Cleaning and Chemicals*  
*Electricity*  
*ICT services and equipment*  
*Land and Sea Transport*  
*Office equipment & supplies*  
*Refrigerants*  
*Waste*  
*Water*

### Non-quantified

*Office furniture*  
*Food & catering*  
*Stationery*  
*Professional Services*  
*Postage, courier, and freight*

## Outside emission boundary

### Excluded

Stationary Energy

## 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

WAX Design is dedicated to sustainability within our own business, not just for our clients and projects.

WAX Design's emissions reduction target is to reduce emissions by 20% by 2025 and 30% by 2030. To achieve this target WAX 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.
- Purchasing office equipment and supplies from Climate Active Carbon Neutral certified organisations and products.
- 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.
- Generating and utilising solar energy throughout the day and exporting excess to the grid.
- Measuring and reporting our energy consumption and carbon footprint annually.
- Encouraging sustainable transport options for staff commute including providing bicycle storage areas and lockers/storage facilities.
- 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.

## 5. EMISSIONS SUMMARY

### Use of Climate Active carbon neutral products and services

Certified Climate Active Carbon Neutral paper was purchased during the reporting period as follows:

Certified brand name	Product or Service used
Opal Australian Paper	Aspire Carbon Neutral Paper A3 & A4

### Organisation emissions summary

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

Row Labels	Sum of Total Emissions (TCO <sub>2</sub> e)
Accommodation and facilities	0.25
Air Transport (km)	0.93
Carbon neutral products and services	0.00
Cleaning and Chemicals	0.46
Electricity	2.74
ICT services and equipment	2.48
Land and Sea Transport (fuel)	3.04
Land and Sea Transport (km)	4.05
Office equipment & supplies	2.57
Refrigerants	0.12
Waste	0.22
Water	0.05
<b>Grand Total</b>	<b>16.91</b>

### Uplift factors

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

Reason for uplift factor	tCO <sub>2</sub> -e
A 5% small organisation up-lift factor has been applied	0.85
<i>Total footprint to offset (uplift factors + net emissions)</i>	17.76



# 6. 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	<b>17.76</b>
3. Net offset balance for this reporting period	18
4. Total offsets to be forward purchased to offset the next reporting period	42
5. Total offsets required for this report	18

## Co-benefits

The below information has been sourced from the Carbon Market Institute website for the Nyaliga Fire Project. WAX 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 to look after our country (pictured).

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.

## 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 (tCO <sub>2</sub> -e)	Quantity used for previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period claim	Percentage of total (%)
<b>Nyaliga Fire Project</b>	KACCU	ERF109670	28/6/22	3,801,649,321 – 3,801,649,380	2020-2021	60	0	42	18	100%
<b>Total offsets retired this report and used in this report</b>									18	
<b>Total offsets retired this report and banked for future reports</b>								42		
Type of offset units			Quantity (used for this reporting period claim)				Percentage of total			
Australian Carbon Credit Units (ACCUs)			20				100%			

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) summary

The following RECs have been surrendered to reduce electricity emissions under the market-based reporting method.

<b>1. Large-scale Generation certificates (LGCs)*</b>	0
<b>2. Other RECs</b>	0

\* LGCs in this table only include those surrendered voluntarily (including through PPA arrangements), and does not include those surrendered in relation to the LRET, GreenPower, and jurisdictional renewables.

Project supported by LGC purchase	Eligible units	Registry	Surrender date	Accreditation code (LGCs)	Certificate serial number	Generation year	Quantity (MWh)	Fuel source	Location
n/a									
<i>Total LGCs surrendered this report and used in this report</i>									

## 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 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.

### Market-based approach summary

Market-based approach	Activity data (kWh)	Emissions (kgCO <sub>2</sub> -e)	Renewable % of total
Behind the meter consumption of electricity generated	0	0	0%
<b>Total non-grid electricity</b>	<b>0</b>	<b>0</b>	<b>0%</b>
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)	997	0	19%
Residual electricity	4,273	4,586	0%
<b>Total grid electricity</b>	<b>5,271</b>	<b>4,586</b>	<b>19%</b>
<b>Total electricity consumed (grid + non grid)</b>	<b>5,271</b>	<b>4,586</b>	<b>19%</b>
Electricity renewables	997	0	
Residual electricity	4,273	4,586	
<b>Exported on-site generated electricity</b>	<b>1,840</b>	<b>-1,436</b>	
Emission footprint (kgCO <sub>2</sub> -e)		3,150	

<b>Total renewables (grid and non-grid)</b>	<b>18.93%</b>
<b>Mandatory</b>	<b>18.93%</b>
<b>Voluntary</b>	<b>0.00%</b>
<b>Behind the meter</b>	<b>0.00%</b>
<b>Residual electricity emission footprint (tCO<sub>2</sub>-e)</b>	<b>3</b>

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

### Location-based approach summary

Location-based approach	Activity data (kWh)	Emissions (kgCO <sub>2</sub> -e)
ACT	0	0
NSW	0	0
SA	5,271	2,741
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>5,271</b>	<b>2,741</b>
ACT	0	0
NSW	0	0
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
<b>Non-grid electricity (behind the meter)</b>	<b>0</b>	<b>0</b>
<b>Total electricity consumed</b>	<b>5,271</b>	<b>2,741</b>
<b>Emission footprint (tCO<sub>2</sub>-e)</b>	<b>3</b>	

### Climate Active carbon neutral electricity summary

Carbon neutral electricity offset by Climate Active product	Activity data (kWh)	Emissions (kgCO <sub>2</sub> -e)
n/a	0	0

*Climate Active carbon neutral electricity is not considered renewable electricity. The emissions have been offset by another Climate Active carbon neutral product certification.*

## APPENDIX C: INSIDE EMISSIONS BOUNDARY

### Non-quantified emission sources

The following sources emissions have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. 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	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance plan in place
Office Furniture	Yes	No	No	No
Food & Catering	Yes	No	No	No
Stationery	Yes	No	No	No
professional services	Yes	No	No	No
Postage, courier and freight	Yes	No	No	No

## APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

### Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct'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 organisation.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
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N/A



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