

# PUBLIC DISCLOSURE STATEMENT

**MORRISON & BREYTENBACH ARCHITECTS** 

ORGANISATION CERTIFICATION FY2022–23

Australian Government

# Climate Active Public Disclosure Statement

# morrison & breytenbach architects





An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Morrison & Breytenbach Architects Pty Ltd
REPORTING PERIOD	1 July 2022 – 30 June 2023 Arrears report
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.
	Organisation Signatory Yvette Breytenbach Director 30/10/2023



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# 1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	21 tCO <sub>2</sub> -e
OFFSETS USED	100% VERs
RENEWABLE ELECTRICITY	N/A (location-based method used)
CARBON ACCOUNT	Prepared by Sustainable Living Tasmania Inc
TECHNICAL ASSESSMENT	N/A (Small Organisation)

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# 2. CARBON NEUTRAL INFORMATION

#### **Description of certification**

Australian business operations of company MORRISON & BREYTENBACH ARCHITECTS PTY LTD.

#### **Organisation description**

Morrison & Breytenbach Architects Pty Ltd (ABN 95 084 072 506) is a successful Tasmanian architectural practice that delivers exemplar projects on a continual basis that have received industry recognition in State, National and International Awards programs. The practice integrates a strong social and environmentally sustainable focus into their work.

Morrison & Breytenbach Architects is widely recognised for integrating technical innovation, energy efficient sustainable design, and use of recycled materials with architectural vision and excellence. The practice delivered Tasmania's first two 6 star Green Star GBCA certified buildings.

Morrison & Breytenbach Architects is a registered company. It was established in 1992 and became incorporated in 1998. Its office is located in Warwick Street, Hobart, Tasmania. The company Directors are James Morrison and Yvette Breytenbach:

#### James Morrison

- Fellow of the Royal Australian Institute of Architects (FRAIA)
- B.Arch
- (Tas) Building practitioner Accreditation No CC1005U
- RAIA: Membership No 22021 (Tas: Reg.No 725; )
- RIBA, ARB (UK) Reg No 057397C
- Green Star GBCA expertise
- 2012-2020 Chairperson Learning Environments Australasia, Tasmanian branch

#### Yvette Breytenbach

- Fellow of the Royal Australian Institute of Architects (FRAIA)
- B.Arch, Soc Sci Hons
- RAIA: Membership No 27346 (Tas: Reg No 570; )
- 2017 2019: President of the Australian Institute of Architects Tasmanian Chapter, member National Council AIA and member Board of Architects.

A diagram of the current company structure is shown below. The Directors and employees are required to undertake a number of roles, often simultaneously. The Directors are responsible for the QMS, short and long-term strategic plans to manage opportunities and risks, and overall practice decisions and operation informed by strategic plans. They are responsible for the financial management of the practice and are ultimately responsible for the oversight of all projects. Currently the Directors also fulfil Design Architect, Quality Manager, Design Reviewer and certain Office Manager roles.





Diagram: Morrison & Breytenbach Architects Practice Structure



# **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 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.





### 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**

Morrison & Breytenbach Architects commits to reduce emissions by at least 30% from 2020 levels by 2030.

Over the next 3 years, we plan to:

- When cars require replacement, prioritise low emissions, preferably all-electric.
- Encourage staff to use active and public transport to get to/from work.
- Utilise video conferencing where possible to reduce travel.
- Reduce volume of paper printing.
- Where possible, utilise suppliers who provide carbon neutral products and service providers who are certified carbon neutral.
- Purchase LGCs, as there are currently no providers of green power available. (Oct 2023)
- Investigate installing electric vehicle chargers at the workplace, as an incentive for our staff to buy and use electric vehicles (Oct 2023)
- Minimise interstate and overseas travel, and offset any flights taken using climate active approved service providers.

In addition to our reduction strategy, Morrison & Breytenbach Architects (MB) will host an information session for architects with presentations by Sustainable Living Tasmania (on Climate Active, LGCs for Green Power plus other information), The Good Car Company (on EV purchase opportunities and incentives) and AMPED (on charging EVs at the workplace).

#### **Emissions reduction actions**

Morrison & Breytenbach Architects replaced old inefficient heaters with new efficient heat pumps in June 2022. We saw a reduction in our heating bill as a result in the reporting period.

In 2021/22, we transitioned to all air travel being certified carbon neutral. This reduced our inventory by 1,130 kgCO<sub>2</sub>-e this year.

We also transitioned to 100% certified carbon neutral paper. We had previously used carbon neutral A4 paper, but some larger sizes had not been carbon neutral.



# 5.EMISSIONS SUMMARY

## **Emissions over time**

Emissions since base year				
		Total tCO <sub>2</sub> -e		
Base year / Year 1:	2019–20	34.7		
Year 2:	2020–21	17.9		
Year 3:	2021–22	20.3		
Year 4: (Reporting Year)	2022-23	20.0		

#### Significant changes in emissions

Emission source name	Current year (tCO <sub>2</sub> - e and/ or activity data)	Previous year (tCO <sub>2</sub> -e and/ or activity data)	Detailed reason for change
Accounting services	2.28	2.07	Inflation
Petrol / Gasoline post- 2004	5.98	6.67	Organic change – less travel required for site visits
Petrol: Medium Car	5.19	3.35	Organic growth – more staff commuting
ICT services and equipment: computer and technical services	2.49	0	New inclusion of ArchiCAD subscription in activity data

## Use of Climate Active carbon neutral products and services

Certified brand name	Product or Service used
Virgin Australia	Certified carbon neutral flights
Qantas Airways	Certified carbon neutral flights
Opal Australian Paper	Various paper products



## **Organisation 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	0.10	0.10
Cleaning and Chemicals	0.00	0.00	0.20	0.20
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Electricity	0.00	0.89	0.05	0.94
ICT services and equipment	0.00	0.00	3.45	3.45
Postage, courier and freight	0.00	0.00	0.08	0.08
Professional Services	0.00	0.00	3.52	3.52
Transport (Land and Sea)	4.76	0.00	6.40	11.16
Waste	0.00	0.00	0.52	0.52
Water	0.00	0.00	0.04	0.04
Total	4.76	0.89	14.36	20.01

#### **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.

For small organisation certifications, a 5% uplift must be applied to the emissions total.

Reason for uplift factor	tCO <sub>2</sub> -e
Compulsory 5% uplift factor for small organisations	1.00
Total of all uplift factors	1.00
<b>Total footprint to offset</b> (total net emissions from summary table + total uplifts)	21.01



# 6.CARBON OFFSETS

### **Offsets retirement approach**

In a	nrears	
1.	Total number of eligible offsets banked from last year's report	1
2.	Total emissions footprint to offset for this report	21
3.	Total eligible offsets required for this report	20
4.	Total eligible offsets purchased and retired for this report	20
5.	Total eligible offsets banked to use toward next year's report	0

#### **Co-benefits**

Panama | On the project areas of CO2OL Tropical Mix, formerly fallow and degraded pasture land is reforested with mostly native tree species and turned into mixed forests. Parts of the areas are used for the fair production of organic cocoa. Due to its sustainable management, the project combines environmentally friendly timber and cocoa production with biodiversity protection and ecosystem restoration.



## Eligible offsets retirement summary

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	Stapled quantity	Eligible quantity (tCO₂-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 (%)
Buenos Aires Renewable Energy Project (GS2290)	VER	Gold Standard Impact Registry	5 Dec 2022	GS1-1-BR-GS2290-8-2013-7169- 6495-6504 https://registry.goldstandard.org/credit- blocks/details/309144	2013	0	10	9	0	1	5%
Planting Biodiverse Forests in Panama: CO2OL Tropical Mix (GS2940)	VER	Gold Standard Impact Registry	20 Oct 2023	GS1-1-PA-GS2940-22-2017-21671- 38001-38019 https://registry.goldstandard.org/credit- blocks/details/378806	2017	0	19	0	0	19	90%
Planting Biodiverse Forests in Panama: CO2OL Tropical Mix (GS2940)	VER	Gold Standard Impact Registry	24 Oct	GS1-1-PA-GS2940-22-2017-21671- 38134-38134 https://registry.goldstandard.org/credit- blocks/details/379324	2017	0	1	0	0	1	5%
						Total offse	ets retired th	is report and us	ed in this report	21	
				Total offs	ets retired thi	s report an	d banked for	future reports	0		
Type of	offset uni	its		Quantity (used for this rep	porting perio	od claim)	Per	centage of tot	al		
Verified	Emissions	issions Reductions (VERs) 100%									



# 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A



# 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 (kqCO2e)	Renewable Percentage of total
Behind the meter consumption of electricity		0	37%
generated	3,062		
Total non-grid electricity	3,062	0	37%
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)	987	0	14%
Residual Electricity	4,262	4,070	0%
Total grid electricity	4,049	0	49%
Total Electricity Consumed (grid + non grid)	5,249	4,070	12%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	4,262	4,070	
Scope 2	3,764	3,595	
Scope 3 (includes T&D emissions from consumption under operational control)	498	476	
Total renewables (grid and non-grid)	48.72%		
Mandatory	11.87%		
Voluntary	0.00%		
Behind the meter	36.84%		
Residual scope 2 emissions (t CO2-e)	3.59		
Residual scope 3 emissions (t CO2-e)	0.48		
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	3.59		
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	0.48		
Total emissions liability (t CO2-e)	4.07		



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	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	5,249	892	52
Grid electricity (scope 2 and 3)	5,249	892	52
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	3,062	3,062	0
Non-grid electricity (Behind the meter)	3,062	3,062	0
Total Electricity Consumed	8,311		
-			
Residual scope 2 emissions (t CO2-e)	0.89		
Residual scope 3 emissions (t CO2-e)	0.05		
Total Emissions Liability	0.94		

#### Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
N/A	0	0

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their 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. They have been non-quantified due to <u>one</u> of the following reasons:

- 1. Immaterial <1% for individual items and no more than 5% collectively
- 2. <u>Cost effective</u> 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
Refrigerants	Yes	No	No	No
Cleaning and Chemicals	Yes	No	No	No



# APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

### **Excluded emission sources**

No emissions were excluded from the inventory.





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