PUBLIC DISCLOSURE STATEMENT

MONFORD GROUP PTY LTD (TRADING AS MONFORD GROUP)

ORGANISATION CERTIFICATION

FY2023–24 (PROJECTED)

Australian Government

Climate Active
Public Disclosure Statement

MONFORD

An Australian Government Initiative

Climate Active

NAME OF CERTIFIED ENTITY	Monford Group Pty Ltd (trading as Monford Group)
REPORTING PERIOD	1 July 2023 – 30 June 2024 - Projected
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.* Brian Rafferty Chief Technical & Innovation Officer 11 July 2024

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

Version March 2023.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1,249 tCO2-e
OFFSETS USED	100% ACCUs
RENEWABLE ELECTRICITY	18.59%
CARBON ACCOUNT	Prepared by: Terra Viridem Pty Ltd / start2see Pty Ltd
TECHNICAL ASSESSMENT	Date: 17 March 2023 Terra Viridem Pty Ltd Next technical assessment due: FY2025
THIRD PARTY VALIDATION	Type 1 4th September 2023 KREA Consulting Pty Ltd

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2.CARBON NEUTRAL INFORMATION

Description of certification

Monford Group Pty Ltd (trading as Monford Group), ABN 89 145 210 895, is certified carbon neutral for its Australian Business Operations under the Climate Active Carbon Neutral Standard for Organisations. Our first year of carbon neutrality is FY2024, based on arrears emissions from our baseline year FY2022.

As our carbon neutrality is for the organisation, the boundary excludes emissions occurring within provision of our service [construction] undertaken at client site, except where these fall within our scope 1 emissions. For example, emissions related to materials [embodied, transportation to site] used in our clients' construction projects are related to the project, and do not fall within Monford Group's operational control.

Carbon neutrality in this certification is for the organisation, rather than the services we provide. In respect for the Monford Group, this includes all scope 1, 2 and 3 emissions relevant to our organisation's direct footprint, but not those relating to provision of our primary service (delivering construction projects), except where these are also Monford Group's Scope 1 emissions. For Monford Group, this includes liquid fuels used in transportation and on-site construction equipment where this fuel is purchased and/or equipment is operated by Monford Group personnel.

Organisation description

Monford Group is an Australian owned construction company specialising in the Infrastructure, Resources, and Energy sectors.

- ACN 145 210 895
- Monford Group Pty Ltd
- Level 7, 239 Adelaide Terrace Perth 6000 [New Head Office][1]
- 1 Regal Place, East Perth WA 6004 [Previous Head Office]
- Lot 2548 Augustus Drive, Karratha Industrial Estate, Karratha WA [project support workshop]
- Lot5 167 Eagle Street, Brisbane QLD 4000 [Brisbane Project Support Office]
- Staff project accommodation where Monford takes short/medium term lease/rental, in order to house staff near the projects it contributes to.
- Monford has taken an operational control approach to its organisational boundary; Monford will report all emissions where it has operational control as its direct Scope I or II emissions. Emissions stemming from an activity where Monford does not have operational control may still be included in

[1] Monford Group moved Head Office from 1 Regal Place to 239 Adelaide Terrace in FY2023-24. Carbon emissions from the new premises are being assessed and emissions from both will be included in the True-Up Carbon inventory for FY23-24 and offset emissions.

carbon inventory, where these are inherent to Monford activities, but as Scope III emissions.

- Monford has no operations outside of Australia.

Monford Group has no subsidiaries included within this carbon neutral certification.

Legal entity name	ABN	ACN
N/A		

The following entities are excluded from this certification:

Legal entity name	ABN	ACN
N/A		

Experiencing consistent growth since the founding of its headquarters in Perth, Western Australia in 2010, Monford Group, is an Australian owned construction company specialising in the Infrastructure, Resources, and Energy sectors. Built “from the ground up” and led by a hands-on management team, Monford stands as a contractor of choice within the renewable energy sector and holds a wide portfolio of projects across Australia.

Monford’s commitment to delivering projects on time, within budget, safely and sustainably, while maintaining a client-centric focus is the key to its success. Monford continues to advance and expand its operations while maintaining its reputation for innovation, quality, integrity and creating positive impacts within the communities in which it operates through the Monford Foundation.

Monford Group offers a full range of services, including construction only, Design and Construct, EPC and O&M. By staying at the forefront of industry trends and with a solutions-based approach, Monford continuously seeks new ways to improve project outcomes and exceed client expectations.

Monford Group holds Main Roads Prequalification (R2B2F50), ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, and is Federal Safety Commissioner (FSC) certified.

At Monford, our **RIPPA** values are the cornerstone of our culture and achievements. **Resilience** fuels continuous growth, **Innovation** propels technological advancements, **Positivity** embraces a 'can-do' mindset, **Performance** ensures efficient delivery and profitability, and being Approachable fosters respect, open communication, and a unified **'One Monford'** culture. These values drive our collective journey toward excellence and continued success.

3. 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

- Stationary energy and fuels
- Electricity
- Accommodation
- Carbon neutral products and services
- Cleaning and chemicals
- Employee Commuting
- Food
- ICT services and equipment
- Professional services
- Land and sea transport
- Office equipment and supplies
- Postage, courier and freight
- Stationary Energy
- Transport (air)
- Transport (land and sea)
- Waste
- Water

Non-quantified

Optionally included.

Outside emission boundary

Excluded

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

The following list is a summary of targets and initiatives that Monford Group has set as an emissions reduction strategy to reduce CO2 Emissions across project sites, transport and head office.

Project Sites:

- Long-term Goal: Achieve zero Scope I and II greenhouse gas emissions by 2038.
- Interim Goal: Reduce on-site CO2 emissions by 20% within the next 5 years (by 2029).
- Key Areas of Focus: Implementing energy-efficient practices on construction sites, optimizing machinery and equipment usage, promoting renewable energy sources for on-site power generation.

Transport:

- Long-term Goal: Achieve zero Scope I and II greenhouse gas emissions by 2038.
- Interim Goal: Reduce transport-related CO2 emissions by 15% within the next 5 years (by 2029).
- Key Areas of Focus: Transitioning to low-emission vehicles, optimizing transport routes to minimize fuel consumption, promoting the use of electric and hybrid vehicles, and implementing logistics efficiency measures.

Head Office:

- Long-term Goal: Achieve zero Scope I and II greenhouse gas emissions by 2038.
- Interim Goal: Reduce office-related CO2 emissions by 25% within the next 5 years (by 2029).
- Key Areas of Focus: Improving energy efficiency in office buildings, implementing renewable energy solutions for office power consumption and adopting sustainable procurement practices.

Diesel Emissions Reduction Plan - Specific Focus on On-Site Power Generation:

- Long-term Goal: Phase out diesel-based power generation by 2035.
- Interim Goal: Reduce diesel usage for on-site power generation by 50% within the next 5 years (by 2029).
- Key Strategies: Transitioning to alternative power sources such as solar, wind, or hybrid systems, optimizing power usage to minimize reliance on diesel generators, and investing in energy storage solutions to ensure uninterrupted power supply during construction activities.

These targets and goals reflect a commitment to sustainability and environmental responsibility while recognising the importance of gradual progress and focused efforts in reducing CO2 emissions across all aspects of our operations.

In order to progress the Emissions Reduction Strategy to achieve zero carbon emissions by 2038, Monford Group have adopted the following carbon reduction projects.

Projects in progress/completed:

- **Diesel emissions reduction plan**

The Monford Group keenly understand the need to reduce diesel usage, our highest emissions contributor, across our vehicle and on-site temporary generation requirements (Diesel generators). The current diesel usage is a variable that is calculated post construction as forecast consumption values fluctuate dependent on project requirements.

Monford Group have sourced suppliers of alternative temporary power technology to substitute the use of diesel generator power on project sites and replace inefficient plant, equipment and infrastructure. The range of alternative power sources that Monford already have in use and plan to procure, include but are not limited to, portable solar/battery solutions, more efficient portable site offices adopting inverter fed HVAC systems, solar powered LED flood lighting and advanced container unloading/destuffing equipment.

We understand that the total obsolescence of diesel generators will take some time and provision of some power generation from a diesel source will be required, the target will be to reduce diesel generation by 75% by the year 2030. The strategy will include annual assessments of alternative power sources as availability increases. Monford Group see the benefits that utilisation of alternative power solutions provide and will adopt new and innovative technology to reduce our emissions.

In development and Ongoing

- **Lighting** - Replacement of non-energy efficient lighting throughout the office, The Monford corporate office adopted old aged fluorescent tube lighting throughout the whole office. Monford took the initiative to replace all the fluorescent lighting points with new LED lighting, this has reduced the physical number of lighting outlets and the lighting Kilowatt hour loading by 60%. The office space has become denser due to the expansion of the workforce, more office space is being utilised, yet the overall energy consumption has been less than anticipated.

  Started and completed in January 2023 (Energy efficiency being monitored)

- **Heating and Cooling** - The Monford corporate office had an ageing non efficient air conditioning unit that was irregular in the cooling system leading to higher-than-normal Kilowatt hour loads over 24-hour periods. The decision was made to replace the ageing air conditioning for a brand-new upgraded air conditioning system that reduced our waste cooling and created a more zone focused environment reducing the overall output load and in turn reduced the carbon emissions. We anticipate a 40% efficiency increase, to be measured over the following year.

  Started and completed in February 2023 (Energy efficiency being monitored)

- **Promote the use of Company facilitated electric vehicles**

  Monford Group understand that the Scope III GHG emissions related to vehicles utilised by our staff on their commute to the head office or staff employed on a drive in/drive out roster taking longer journeys to remote project sites are dominated by petrol and diesel consumption in vehicles and we recognise that the source of these Scope III emissions are partly within our influence.
  Where staff use Monford Group facilitated vehicles we have sought to reduce GHG emissions through the purchase and lease of electric vehicles (EV) for the use of Monford personnel.

  Completed acquisition of EVs – May 2023

- **EV charging station program** – as we transition into an EV company, we recognise the need for more accessible EV charging stations, this in mind we have approached the local council to make an application to house 3 EV charging stations on the existing Monford Offices, we also recognise the requirement on mine and construction sites, again with this in mind, we are looking into mobile EV charging solutions that are specifically designed for site applications to be run via solar and battery trailers.
- We currently have an application in with the local government for a grant for 2 EV charging stations to be housed at the corporate office and are currently awaiting a decision on receiving a government grant to support our charging station project.

  Anticipated installation date August 2024

- **Energy Audits** – The need to continually assess the energy requirements of the office is high on the list of actions that the Monford Group are going to adopt. We see the potential in assessing the current load draw from such items as laptops, screen, coffee machines and white appliances. Education in the office space on energy saving techniques will be a driver to reducing our everyday energy needs.

  Start Date January 2023 and Ongoing

- **Head Office PV Installation** – After careful consultation with the local council and planning division, The Monford Group will be installing a Solar PV system to offset the current energy requirements of the main office building. We will be monitoring the energy saving for the purpose of validating the requirement of a BESS system to offset night-time energy usage.

  Anticipated Start Date Q4 2023

- **Office window covering** – The HQ Monford office complex is open to sunlight on two sides of the building with multiple window locations, the window locations receive direct sunlight at different times during the day causing a form of heating to be emitted into the office space, we

have identified this as a potential increase to power requirements as the HVAC system is working for longer to reduce the heat in the offices, with this in mind, we are looking at a window covering solution that will reflect the heat from the windows, reducing the intake of heat to the office and reducing the output power required by the HVAC to reduce the heat in those areas.

Completed June 2023

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5. EMISSIONS SUMMARY

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

Monford does not claim to have used any carbon neutral certified products during the reporting period.

Organisation Emissions summary

The electricity summary is available in Appendix B. Electricity emissions were calculated using a market-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	8.95	8.95
Cleaning and Chemicals	0.00	0.00	3.08	3.08
Construction Materials and Services	0.00	0.00	12.64	12.64
Electricity	0.00	39.23	0.00	39.23
Food	0.00	0.00	1.85	1.85
ICT services and equipment	0.00	0.00	14.01	14.01
Office equipment & supplies	0.00	0.00	6.05	6.05
Stationary Energy Gaseous Fuels)	0.00	0.00	0.00	0.00
Transport (Air)	0.00	0.00	10.62	10.62
Transport (Land and Sea)	1,046.00	0.00	98.95	1,144.95
Waste	0.00	0.00	7.26	7.26
Water	0.00	0.00	0.13	0.13
Grand Total	**1,046.00**	**39.23**	**163.53**	**1,248.75**

Uplift factors

N/A

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken a forward offsetting approach. The total emission to offset is 1249 t CO_2-e. The total number of eligible offsets used in this report is 1249. Of the total eligible offsets used, none were previously banked and 1300 were newly purchased and retired. 51 are remaining and have been banked for future use.

Co-benefits

N/A

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 (%)**
Black Hill Regeneration Project	KACCU	ANREU	27 February 2024	8,354,249,524 – 8354,250,823	2022-23		1,300	0	51	1,249	100%
									Total eligible offsets retired and used for this report	1,249	
									Total eligible offsets retired this report and banked for use in future reports	51	

	Eligible quantity (used for this reporting period)	**Percentage of total**
Australian Carbon Credit Units (ACCUs)	1,294	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 market-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	0	0	0
Total non-grid electricity	**0**	**0**	**0**
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)	9,003	0	19%
Residual Electricity	39,427	39,228	0%
Total grid electricity	48,430	39,228	19%
Total Electricity Consumed (grid + non grid)	48,430	39,228	19%
Electricity renewables	9,003	0	
Residual Electricity	39,427	39,228	
Exported on-site generated electricity	0	0	
Emissions (kgCO2e)		39,228	

Total renewables (grid and non-grid)	18.59%
Mandatory	18.59%
Voluntary	0.00%
Behind the meter	0.00%
Residual Electricity Emission Footprint (TCO2e)	39

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)
WA	48,430	32,448	484
Grid electricity (scope 2 and 3)	48,430	32,448	484
WA	0	0	0
Non-grid electricity (Behind the meter)	0	0	0
Total Electricity Consumed	48,430	32,448	484

Emission Footprint (TCO2e)	33
Scope 2 Emissions (TCO2e)	32
Scope 3 Emissions (TCO2e)	0

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 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
N/A	

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						

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