PUBLIC DISCLOSURE STATEMENT

MONFORD GROUP PTY LTD (TRADING AS MONFORD GROUP)

ORGANISATION CERTIFICATION

FY2023–24 (TRUE-UP)

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 (True-up)
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 19 December 2024

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

Version 9.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	3,352 tCO_2-e
CARBON OFFSETS USED	38.78% ACCUs 61.22% CDM-CERs
RENEWABLE ELECTRICITY	18.72%
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

Contents

2. CERTIFICATION INFORMATION

Description of organisation 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 initially on projected emissions based off our baseline year FY2022 emissions, and now trued-up at end of FY2024, as a medium sized organisation.

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, including all personnel's work-related travel, but not those relating to provision of our primary service (delivering construction projects) undertaken at clients' project sites, except where these are also Monford Group's Scope 1 emissions or part of the organisation's carbon footprint.

For Monford Group, our organisational footprint includes travel to and from projects sites for our FIFO (fly-in fly-out) staff and their accommodation, and liquid fuels consumed in all on-site construction equipment, where this fuel is purchased and/or equipment is operated by Monford Group personnel. Emissions belonging to projects we deliver for clients and not overlapping with Monford's organisational footprint are outside of this carbon neutral claim. These include emissions related to; construction materials [embodied, transportation to site] used in our clients' projects, those arising from operation and maintenance of clients' completed projects, and decommissioning of these projects.

This Public Disclosure Statement includes information for FY2023-24 reporting period.

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

[1] Monford Group moved Head Office from 1 Regal Place to 239 Adelaide Terrace in FY2023-24. Carbon emissions from the new premises have been included in this True-Up report.

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

- Monford has no operations outside of Australia.

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 in Appendix D.

For Monford, the emissions that are beyond the organisational boundary and outside the scope of this certification include those belonging to the service we provide, and/or those belonging to the projects we deliver for clients. Examples of these sources include:

- Embodied emissions associated with construction materials for clients' projects
- Transport of construction materials or construction waste to/from clients' sites
- On-(clients') sites emissions during construction not within Monford Group's operational control
- Emissions stemming from the operation and maintenance of clients' projects we have completed for clients during projects operation, unless Monford has been contracted to be involved in ongoing operation [not currently relevant]
- Emissions stemming from decommissioning of clients' projects we have completed for clients at projects end of life.

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
- Products
- Professional services
- Land and sea transport
- Office equipment and supplies
- Postage, courier and freight
- Transport (air)
- Transport (land and sea)
- Waste
- Water

Non-quantified

n/a

Outside emission boundary

Excluded

n/a

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 CO_2 Emissions across project sites, transport and head office.

1. 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.

2. 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.

3. 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** – Monford Group relocated its Head Office address from 1 Regal Place to 239 Adelaide Terrace in FY2023-24. The new Head Office building has an existing Solar PV array located on the roof. The solar power generated by the PV array supplies energy to the 7th Floor office space that Monford Group occupies. We will continue to monitor the energy saved through the contribution of the solar power for the purpose of validating the requirement of either installing more PV models to the array or installing a BESS system to offset night-time energy usage.

  Start Date December 2023 with ongoing monitoring and assessment.

- **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

Emissions over time

Monford Group has grown substantially since the baseline carbon footprint was assembled, and particularly within the course of FY24. This growth has been in terms of an overall significant expansion of the business: both Monford personnel numbers (staffing increase of 70%), and the size and number of projects we are delivering have increased substantially in FY24. Our carbon footprint has also grown substantially, primarily in regard to both the liquid fuels we consume in order to deliver increased scale and number of client projects, and in relation to staff travel; we now have a large number of FIFO (fly in fly out) personnel, in order to deliver projects. These impacts to our carbon footprint are detailed in the next section.

Emissions since base year			
		Total tCO_2-e (without uplift)	**Total tCO_2-e** (with uplift)
Base year:	FY22 (2021-22)	1249	N/A
Year 1:	FY24 (2023-24)	3352	N/A

Significant changes in emissions

Nearly all categories of Monford's GHG emissions increased substantially since the baseline footprint as result of large business growth the company witnessed in FY24. The largest increase within a material GHG category was scope 3 emissions related to staff travel, as Monford operations involved large FIFO activity in FY24. As a consequence of this, air transport increased by 70x [total pax.km] in order to get our workforce to project sites, where these were remote. All categories of flights recorded [very short haul, short haul, long haul] witnessed this increase, with the most significant and material of these [domestic short haul flights] contained in the table below.

Construction activity within projects also increased substantially, due to both scaling up of existing projects, and commencement of new projects. As a consequence, Monford's diesel consumption at project sites increased, as displayed in table below.

Significant changes in emissions			
Emission source	**Previous year emissions** ($t CO_2$-e)	**Current year emissions** ($t CO_2$-e)	**Reason for change**
Diesel oil	1020.77	1990.44	In FY24 MFG Projects activity increased significantly, both within existing projects, and also in commencement of new projects, as the company moved to greater levels of EPC delivery. Diesel usage in heavy equipment [both mobile construction plant and power generation] rose significantly compared to projection.
Short economy class flights (>400km, ≤3,700km)	4.75	651.38	In FY24 MFG FIFO activity increased significantly for new projects, hence flights [to new FIFO locations] rose significantly compared to projection.

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

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

Emissions summary

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

The previous report was a projection report using representative data to estimate the emissions for the reporting year. This table shows the differences between the projected emissions and the actual emissions recorded.

	Projection	True-up			
Emission category	**Total emissions** (t CO_2-e)	**Scope 1 emissions** (tCO_2-e)	**Scope 2 emissions** (tCO_2-e)	**Scope 3 emissions** (tCO_2-e)	**Total emissions** (t CO_2-e)
Accommodation and facilities	8.95	0.00	0.00	217.43	217.43
Cleaning and Chemicals	3.08	0.00	0.00	5.44	5.44
Construction Materials and Services	10.18	0.00	0.00	0.00	0.00
Electricity	39.23	0.00	77.06	9.51	86.57
Food	1.85	0.00	0.00	18.59	18.59
ICT services and equipment	14.01	0.00	0.00	24.75	24.75
Office equipment & supplies	6.05	0.00	0.00	10.89	10.89
Products	0.00	0.00	0.00	0.24	0.24
Professional Services	2.44	0.00	0.00	2.89	2.89
Stationary Energy (gaseous fuels)	0.00	0.00	0.00	0.00	0.00
Stationary Energy (liquid fuels)	1020.77	1,596.90	0.00	393.54	1990.44
Stationary Energy (solid fuels)	0.00	0.00	0.00	0.00	0.00
Transport (Air)	10.62	0.00	0.00	737.22	737.22
Transport (Land and Sea)	124.18	135.93	0.00	108.43	244.35
Waste	7.26	0.00	0.00	12.16	12.16
Water	0.13	0.00	0.00	0.20	0.20
Working from home	0.00	0.00	0.00	0.00	0.00
Total projected emissions (tCO_2-e)	**1,248.75**				
Total true-up emissions (tCO_2-e)		**1,732.82**	**77.06**	**1,541.30**	**3,351.18**
Difference between projected and actual emissions			**2103 tCO_2-e** [2]		

[2] MFG needed to surrender 2103 more offset units to effect the True-Up for FY24, which was effected prior to this submission.

Uplift factors

N/A

6. CARBON OFFSETS

Eligible offsets retirement summary

This certification has taken a forward offsetting approach, now in the True-up phase. The total emission offset up front was 1249 t CO_2-e, based on the FY22 baseline used for projection. The number of eligible offsets required to True-up Monford's FY24 emissions is 2,103 tCO2e [rounding up to the nearest tonne CO2e]. The total eligible offsets used for FY24 is 3,352 [1249 purchased and retired already for projection, 2,103 within new purchase and retirement to effect this trueing-up]. Monford has purchased and retired a small excess of offsets as detailed in table below, that are banked for future use.

Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Australian Carbon Credit Units (ACCUs)	1300	38.78%
Certified Emissions Reductions (CERs)	2052	61.22%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
Black Hill Regeneration Project	ACCU	ANREU	27/02/2024	8,354,249,524 – 8354,250,823	2022-23	1300	0	0	1300	38.78%
Wind Power Project Ushdev in Tamil Nadu	CER	ANREU	16/01/2025	275,148,045 - 275,150,149	CP2	2105	0	53	2052	61.22%

Co-benefits

N/A

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

OFFICIAL

Australian Government
Clean Energy Regulator

12 March 2024 VC202324-00411

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, Commonwealth Bank of Australia (account number AU-1021).

The details of the cancellation are as follows:

Date of transaction	27 February 2024
Transaction ID	AU32493
Type of units	KACCU
Total Number of units	1,300
Serial number range	8,354,249,524 - 8,354,250,823
ERF Project	Black Hill Regeneration Project - ERF158903
Vintage	2022-23
Transaction comment	Retired on behalf of Monford Group Pty Ltd, to meet its obligations under the Climate Active Carbon Neutral Standard for the period financial year 2024

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website, http://www.cleanenergyregulator.gov.au/OSR/ANREU/Data-and-information.

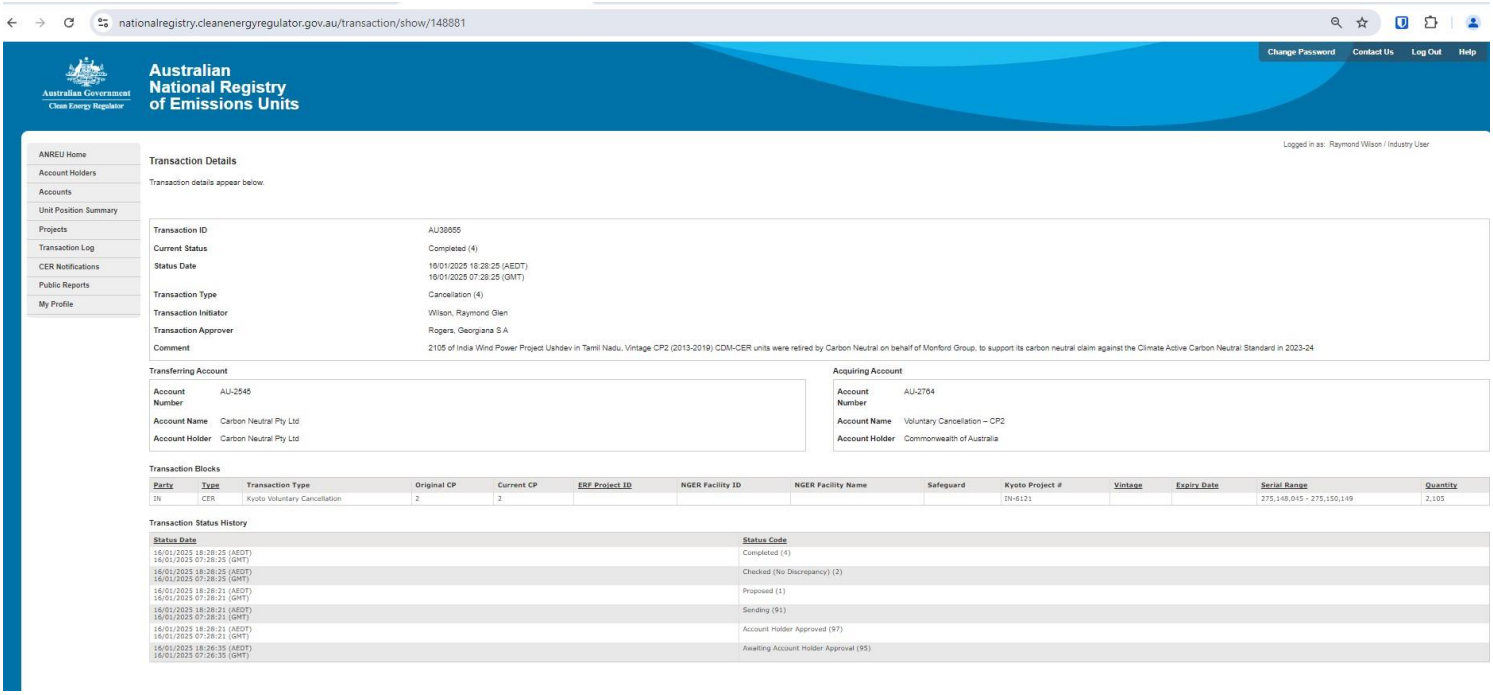
If you require additional information about the above transaction, please email CER-RegistryContact@cer.gov.au

Yours sincerely,

David O'Toole
NGER and Safeguard Branch
Clean Energy Regulator
registry-contact@cer.gov.au

CLEAN ENERGY REGULATOR

OFFICIAL


nationalregistry.cleanenergyregulator.gov.au/transaction/show/148881
Change Password
Contact Us
Log Out
Help
Australian Government
Clean Energy Regulator
Australian
National Registry
of Emissions Units
ANREU Home
Account Holders
Accounts
Unit Position Summary
Projects
Transaction Log
CER Notifications
Public Reports
My Profile
Logged in as: Raymond Wilson / Industry User
Transaction Details
Transaction details appear below.
Transaction ID AU38655
Current Status Completed (4)
Status Date 16/01/2025 18:28:25 (AEDT)
16/01/2025 07:28:25 (GMT)
Transaction Type Cancellation (4)
Transaction Initiator Wilson, Raymond Glen
Transaction Approver Rogers, Georgiana S A
Comment 2105 of India Wind Power Project Ushdev in Tamil Nadu, Vintage CP2 (2013-2019) CDM-CER units were retired by Carbon Neutral on behalf of Monford Group, to support its carbon neutral claim against the Climate Active Carbon Neutral Standard in 2023-24
Transferring Account
Account Number AU-2545
Account Name Carbon Neutral Pty Ltd
Account Holder Carbon Neutral Pty Ltd
Acquiring Account
Account Number AU-2764
Account Name Voluntary Cancellation – CP2
Account Holder Commonwealth of Australia
Transaction Blocks
Party Type Transaction Type Original CP Current CP ERF Project ID NGER Facility ID NGER Facility Name Safeguard Kyoto Project # Vintage Expiry Date Serial Range Quantity
IN CER Kyoto Voluntary Cancellation 2 2 IN-6121 275,148,045 - 275,150,149 2,105
Transaction Status History
Status Date Status Code
16/01/2025 18:28:25 (AEDT)
16/01/2025 07:28:25 (GMT)
Completed (4)
16/01/2025 18:28:25 (AEDT)
16/01/2025 07:28:25 (GMT)
Checked (No Discrepancy) (2)
16/01/2025 18:28:21 (AEDT)
16/01/2025 07:28:21 (GMT)
Proposed (1)
16/01/2025 18:28:21 (AEDT)
16/01/2025 07:28:21 (GMT)
Sending (91)
16/01/2025 18:28:21 (AEDT)
16/01/2025 07:28:21 (GMT)
Account Holder Approved (97)
16/01/2025 18:26:35 (AEDT)
16/01/2025 07:26:35 (GMT)
Awaiting Account Holder Approval (95)

This is to certify that

Monford Group

for its Climate Active Carbon Neutral Certification
for FY23-24 has permanently retired

2,105

Renewable Energy credits - *Wind Power Project by Ushdev International Ltd*, India

Thank you for making a difference to our planet and future generations by combating climate change.

carbonneutral
Turn Emissions into Trees

Encouraging positive social, environmental and economic change with solutions that help overcome the effects of the climate crisis.

Carbon Neutral Pty Ltd is regulated by the Australian Securities and Investments Commission and holds Australian Financial Services Licence Number 483004

Dr Phil Ireland | Chief Executive Officer

Issue Date: 16 January 2025 | **Emissions Period:** 1 July 2023 - 30 June 2024

Serial numbers (inclusive): IN-6121: 275,148,045 - 275,150,149

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 (kg CO_2-e)	Renewable percentage of total
Behind the meter consumption of electricity generated	0	0	0%
Total non-grid electricity	**0**	**0**	**0%**
Large Scale Renewable Energy Target (applied to grid electricity only)	21,911	0	19%
Residual Electricity	95,137	86,574	0%
Total renewable electricity (grid + non grid)	**21,911**	**0**	**19%**
Total grid electricity	**117,048**	**86,574**	**19%**
Total electricity (grid + non grid)	**117,048**	**86,574**	**19%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**95,137**	**86,574**	
Scope 2	84,682	77,061	
Scope 3 (includes T&D emissions from consumption under operational control)	10,455	9,514	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	.

Total renewables (grid and non-grid)	**18.72%**
Mandatory	**18.72%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual scope 2 emissions (t CO_2-e)	**77.06**
Residual scope 3 emissions (t CO_2-e)	**9.51**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**77.06**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**9.51**
Total emissions liability (t CO_2-e)	**86.57**

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

Location-based approach summary

Location-based approach	Activity Data (kWh) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	**100%**	**(kWh)**	**Scope 2 Emissions (kgCO_2-e)**	**Scope 3 Emissions (kgCO_2-e)**	**(kWh)**	**Scope 3 Emissions (kgCO_2-e)**
QLD	1,227	1,227	896	184	0	0
WA	115,821	115,821	61,385	4,633	0	0
Grid electricity (scope 2 and 3)	**117,048**	**117,048**	**62,281**	**4,817**	**0**	**0**
QLD	0	0	0	0		
WA	0	0	0	0		
Non-grid electricity (behind the meter)	**0**	**0**	**0**	**0**		
Total electricity (grid + non grid)	**117,048**					

Residual scope 2 emissions (t CO_2-e)	**62.28**
Residual scope 3 emissions (t CO_2-e)	**4.82**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**62.28**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**4.82**
Total emissions liability	**67.10**

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**
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.		

Climate Active carbon neutral electricity products

Climate Active carbon neutral electricity product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO_2-e)
N/A	**0**	**0**
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.		

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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