



PUBLIC DISCLOSURE STATEMENT

ENTECH PTY LTD

ORGANISATION CERTIFICATION


FY2021–22

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Entech Pty Ltd
REPORTING PERIOD	Financial year 1 July 2021 – 30 June 2022 Arrears report
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>Shane McLeay Managing Director Date 5/10/2023</p>



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

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Version March 2023.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	149 tCO ₂ -e
OFFSETS USED	24.16% ACCUs, 75.84% CERs
RENEWABLE ELECTRICITY	54.91%
CARBON ACCOUNT	Prepared by: Automic Pty Ltd
TECHNICAL ASSESSMENT	29 th June 2023 Stephen Morgan ESG Capital Pty Ltd Next technical assessment due: 28 th June 2026
THIRD PARTY VALIDATION	Type 1 30 th June 2023 Epigroup Pty Ltd

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2. CARBON NEUTRAL INFORMATION

Description of certification

This carbon neutral certification is for the business operations of Entech Pty Ltd (**Entech or Company; ABN 23 143 135 773**) that encompasses all corporate and consulting activities. The carbon emissions baseline period is the Financial Year 2022 (1 July 2021 – 30 June 2022). The emissions baseline data was compiled in accordance with the principles of the Climate Active Standards and the National Greenhouse and Energy Reporting Act 2007.

The carbon inventory includes, but is not limited to, offices, exploration activities, third-party consultants, advisors, contractors, travel, freight, and laboratory analysis. Further information of the emissions boundary is contained in this document.

Entech believes that corporate climate action demonstrates leadership and shows that organizations can take meaningful action to manage their impact. The Company also works with a range of global mining companies on decarbonisation strategies utilising its in-house expertise in carbon accounting, fleet electrification, and process optimisation. In this sense, attaining Climate Active Carbon Neutral Certification aligns with the goals and values of the Company's current and prospective clients.

Organisation description

Entech Pty Ltd (ABN 23 143 135 773) is an independent international mining consultant specializing in Resource Geology, Mining Engineering, Geotechnical and Ventilation services. Entech has offices strategically located in Australia, New Zealand, the United Kingdom, and Canada.

An operational control approach has been taken to determine relevant emission sources. Entech Mining Pty Ltd is a Canada-based entity in which Entech Pty Ltd has a financial interest but does not have operational control. It has been determined that Entech Mining Pty Ltd's operations in Canada do not arise as a direct consequence of the operations of Entech (Please refer to Appendix D). It has therefore, per Climate Active guidelines, been excluded from the certification boundary.

Entech's other offices in Australia, New Zealand, and the United Kingdom, they are included in the certification boundary. For the New Zealand and United Kingdom offices, Entech did not set up a separate corporate entity in both countries, rather they leased office space and had employees working from there under the ABN provided above.

Lastly, Entech rents a residential home in Kalgoorlie for employees that service clients in the region.

The following entities are excluded from this certification:

Legal entity name	ABN	ACN
Entech Mining Pty Ltd	817634645 BC 0001	

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

- Accommodation and facilities
- Cleaning and chemicals
- Climate Active Carbon Neutral Products and Services
- Construction materials and services
- Electricity
- Food
- Horticulture and Agriculture
- ICT services and equipment
- Machinery and vehicles
- Office equipment and supplies
- Postage, courier and freight
- Products
- Professional services
- Stationary Energy (liquid fuels)
- Transport (Air)
- Transport (Land & Sea)
- Waste

Non-quantified

- Work from home emissions for one UK-based employee

Optionally included

Outside emission boundary

Excluded

Entech Mining Pty Ltd (Canada)

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

As this certification covers FY22, it includes periods where international borders were still closed. However, with international borders opening in FY23, Entech expects an increase in flights domestically and internationally to service clients, as well as organic growth in staff numbers which will have an impact on the emissions profile. Therefore, Entech commits to setting Climate Active-aligned overarching time-bound corporate emissions reduction targets in the FY23 arrears report. For this certification, Entech will set time-bound emissions reduction targets for specific emission sources.

Emission Source	Emission Reduction Actions for FY24	Entech's Goals
Electricity	<ul style="list-style-type: none"> Opt-in for AGL's Climate Active electricity for Melbourne-based office. Add-on GreenPower through Synergy for Kalgoorlie-based house. Take a phased conversion of Perth's electricity to GreenPower. 	<ul style="list-style-type: none"> Zero electricity emissions for Melbourne-based offices and Kalgoorlie-based house in FY24. 50% GreenPower electricity mix for Perth-based office by CY28. Entech will convert 25% of its electricity for Perth-based office to GreenPower in CY24 and will incrementally increase by 25% every 2 years.
Flights	<ul style="list-style-type: none"> Voluntarily opt-in for Qantas carbon neutral service for all business-related flights taken with Qantas. 	<ul style="list-style-type: none"> Zero emissions associated with business-related flights by FY28.
Drinks (Beers & Wine)	<ul style="list-style-type: none"> Purchase Capital Brewing Co. Good Natured Beers Phased approach to purchase Climate Active certified wine 	<ul style="list-style-type: none"> Convert 100% alcoholic beers to Capital Brewing Co. Good Natured Beers by FY25. Purchase Climate Active certified wine in FY24. Convert 100% wine purchase to Climate Active certified wine by FY28.
Emissions Intensity	<ul style="list-style-type: none"> Calculate Entech's emissions intensity for FY22 to allow for company growth. Set Climate Active-aligned emissions reduction targets in FY23's arrears Climate Active certification to account for 	<ul style="list-style-type: none"> Set emissions reduction targets (absolute and emission intensity) in FY23's arrears Climate Active certification.

	company growth and post-COVID flights.	
General	<ul style="list-style-type: none"> Communicate and engage with top 10 spend suppliers about Entech's Climate Active certification and climate action. 	<ul style="list-style-type: none"> Communicate and engage with all suppliers about climate action by FY28.
	<ul style="list-style-type: none"> Improve emissions data collation to improve accuracy of data (e.g., employee commuting). 	NIL

5. EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

Certified brand name	Product or Service used
Opal Australian Paper	Opal branded paper (Reflex)

Organisation emissions summary

The electricity summary is available in Appendix B. Electricity emissions were calculated using a market-based approach. Emissions associated with the New Zealand and United Kingdom offices are included in the total inventory.

Emission category	Sum of Scope 1 (tCO ₂ -e)	Sum of Scope 2 (tCO ₂ -e)	Sum of Scope 3 (tCO ₂ -e)	Sum of total emissions (tCO ₂ -e)
Accommodation and facilities	0.00	0.00	1.51	1.51
Cleaning and Chemicals	0.00	0.00	1.83	1.83
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0
Construction Materials and Services	0.00	0.00	8.04	8.04
Electricity	0.00	13.26	0.00	13.26
Food	0.00	0.00	9.60	9.60
Horticulture and Agriculture	0.00	0.00	0.03	0.03
ICT services and equipment	0.00	0.00	6.82	6.82
Machinery and vehicles	0.00	0.00	11.79	11.79
Office equipment & supplies	0.00	0.00	5.50	2.27
Postage, courier and freight	0.00	0.00	0.20	0.20
Products	0.00	0.00	0.10	0.10
Professional Services	0.00	0.00	25.49	25.49
Refrigerants	0.00	0.00	0.00	0
Stationary Energy (gaseous fuels)	0.00	0.00	0.00	0
Stationary Energy (liquid fuels)	0.01	0.00	0.00	0.01
Stationary Energy (solid fuels)	0.00	0.00	0.00	0
Transport (Air)	0.00	0.00	6.95	6.95
Transport (Land and Sea)	7.05	0.00	37.02	44.07
Waste	0.00	0.00	7.54	7.54
Water	0.00	0.00	0.32	0.32
Total	7.05	13.26	122.74	143.05

Uplift factors

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

Reason for uplift factor	tCO ₂ -e
Uplift to account for non-quantified sources where data are unavailable	5.15
Total of all uplift factors	5.15
Total emissions footprint to offset <i>(total emissions from summary table + total of all uplift factors)</i>	148.20

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 149 t CO₂-e. The total number of eligible offsets used in this report is 149. Of the total eligible offsets used, 0 were previously banked and 149 were newly purchased and retired. 0 are remaining and have been banked for future use.

Co-benefits

3.2 MW wind power project at Jodha village of Jaisalmer district in Rajasthan state

This project contributes to:

1. Sustainable development as it assists in the shift away from fossil fuel and towards renewable energy generation through hydro power, reducing emissions.
2. Social well-being by alleviating poverty by establishing direct and indirect benefits through employment generation and improved economic activities.
3. Social well-being by improving infrastructure development in the wind park location, e.g., roads, which provides access to the local population.
4. Economic well-being as the project improves electricity availability to grid and provides business opportunities for local stakeholders.

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 (%)
3.2 MW wind power project of Agro Solvent Products Pvt Ltd. At Jodha village of Jaisalmer district in Rajasthan state	CER	CDM	28 th June 2023	IN-5-212596456-2-2-0-4709 – IN-5-212596564-2-2-0-4709 (Refer to certification in Appendix A, Appendix 1)	CP2	0	109	0	0	109	76%
			30 th June 2023	IN-5-212596565-2-2-0-4709 – IN-5-212596568-2-2-0-4709 (Refer to certification in Appendix A, Appendix 2)		4	4	4			
Yuin Station, Murchison, HIR aggregation	KACCU	ANREU	9 th June 2023	8,352,664,490 - 8,352,664,589 (Refer to screen capture in Appendix A, Appendix 3)	2022-23		36	0	0	36	24%
Total eligible offsets retired and used for this report										149	
Total eligible offsets retired this report and banked for use in future reports									0		
Type of offset units		Eligible quantity (used for this reporting period)				Percentage of total					
Australian Carbon Credit Units (ACCU)		36				24%					
Certified Emissions Reductions (CERs)		113				76%					

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

 <p>United Nations Framework Convention on Climate Change</p>	DATE: 28 JUNE 2023 REFERENCE: VC28699/2023
VOLUNTARY CANCELLATION CERTIFICATE	<p>Presented to Automic Group Project 3.2 MW wind power project of Agro Solvent Products Pvt. Ltd. at Jodha village of Jaisalmer district in Rajasthan state” Reason for cancellation Retired on behalf of Entech Pty Ltd to meet their carbon neutral obligations as required for their FY22 Climate Active Carbon Neutral Organisation Certification</p>
	<p>Number of units cancelled</p> <p>109 CERs Equivalent to 109 tonne(s) of CO₂</p>
	<p>Start serial number: IN-5-212596456-2-2-0-4709 End serial number: IN-5-212596564-2-2-0-4709</p> <p>The certificate is issued in accordance with the procedure for voluntary cancellation in the CDM Registry. The reason included in this certificate is provided by the cancellor.</p>

Appendix 1: Retirement confirmation of 109 CERs.



VOLUNTARY CANCELLATION CERTIFICATE

Presented to

Automic Group

Project

3.2 MW wind power project of Agro Solvent Products Pvt. Ltd. at Jodha village of Jaisalmer district in Rajasthan state"

Reason for cancellation

Retired on behalf of Entech Pty Ltd to meet their carbon neutral obligations as required for their FY22 Climate Active Carbon Neutral Organisation Certification

Number of units
cancelled

4 CERs

Equivalent to 4 tonne(s) of CO₂

Start serial number: EN-S-212596565-2-2-0-4709 End serial number: IN-S-212596568-2-2-0-4709

The certificate is issued in accordance with the procedure for voluntary cancellation in the CDM Registry. The reason included in this certificate is provided by the canceller.



Appendix 2: Retirement confirmation of 4 CERs.

Transaction Successfully Approved

Transaction ID	AU27810
Current Status	Completed (4)
Status Date	09/06/2023 15:22:09 (AEST) 09/06/2023 05:22:09 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Sain-ley-berry-gray, Sebastian
Transaction Approver	Sain-ley-berry-gray, Sebastian
Comment	Retired By Everclime

Transferring Account		Acquiring Account	
Account Number	AU-3150	Account Number	AU-1068
Account Name	EVERCLIME PTY LTD	Account Name	Australia Voluntary Cancellation Account
Account Holder	EVERCLIME PTY LTD	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
AU	KACCU	Voluntary ACCU Cancellation			ERF159556					2022-23		8,352,664,490 - 8,352,664,589	100

Appendix 3: Retirement confirmation of 36 ACCUs.

Special Note: Everclime is a Platform which retires carbon credits and sells on the right of that retirement to customers as part of our platform offering.

The above ACCU credit serial numbers represent 36t of the 100t retired from the Yuin Station Project retired through Everclime Pty Ltd ANREU account. We have a fully auditable proof of ownership of all of our retired ACCU serial numbers.

The remaining retired 64t on Everclime's ANREU account of the Yuin Station Project has been distributed to other Everclime customers and should not be counted towards Entech Pty Ltd Climate Active Carbon Neutral claims and should not be considered as banked for future years.

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 (kgCO ₂ e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	16,837	0	45%
Total non-grid electricity	16,837	0	45%
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)	3,886	0	10%
Residual Electricity	17,017	16,932	0%
Total grid electricity	20,903	16,932	10%
Total Electricity Consumed (grid + non grid)	37,740	16,932	55%
Electricity renewables	20,723	0	
Residual Electricity	17,017	16,932	
Exported on-site generated electricity	5,037	-3,677	
Emissions (kgCO ₂ e)		13,255	
Total renewables (grid and non-grid)	54.91%		
Mandatory	10.30%		
Voluntary	0.00%		
Behind the meter	44.61%		
Residual Electricity Emission Footprint (TCO₂e)	13		
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>			

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	318	290	32
Qld	0	0	0
NT	0	0	0
WA	20,585	13,792	206
Tas	0	0	0
Grid electricity (scope 2 and 3)	20,903	14,081	238
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	16,837	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	16,837	0	0
Total Electricity Consumed	37,740	14,081	238
Emission Footprint (TCO2e)	14		
<i>Scope 2 Emissions (TCO2e)</i>	14		
<i>Scope 3 Emissions (TCO2e)</i>	0		

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO ₂ e)
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
Work from home emissions for one employee working in UK.	Immaterial

Data management plan for non-quantified sources

Entech does not expect its UK-based employee numbers to change, and consequently, this emissions source will remain immaterial (<1% of total Company emissions). In addition, due to challenges with data capture, Entech believes an uplift approach for the UK based employee is the best approach moving forward. There are no other non-quantified sources in the emission boundary.

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

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Entech Mining Pty Ltd	Yes	No	No	No	No	No



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