



PUBLIC DISCLOSURE STATEMENT

ENTECH PTY LTD

ORGANISATION CERTIFICATION


FY2022–23

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Entech Pty Ltd
REPORTING PERIOD	Financial year 1 July 2022 – 30 June 2023 [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><i>Signature here</i></p> 
	Shane McLeay Managing Director 21/02/2024



Australian Government

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

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Version August 2023.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	166.31 tCO ₂ -e (Rounded up to 167 tCO ₂ -e)
OFFSETS USED	80% CER, 20% ACCU
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Automic Pty Ltd
TECHNICAL ASSESSMENT	29 th June 2023 ESG Capital Pty Ltd Next technical assessment due: FY 2026

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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 2023 (1 July 2022 – 30 June 2023). 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 on 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 and its partners are working with major mining companies to meet their decarbonization goal. Entech has also launched a new product range called Delta which packages the Company's solutions to provide early baseline in any part of the mine and measure improvements from day one. In this sense, attaining and maintaining 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
- Electricity
- Food
- ICT Services and Equipment
- Machinery and vehicles
- Postage, courier, and freight
- Products
- Professional services
- Stationary energy (liquid fuels)
- Transport (air)
- Transport (land and sea)
- Waste
- Water
- Office equipment and supplies

Non-quantified

Working from home – UK employees

Optionally included

N/A

Outside emission boundary

Excluded

Entech Mining Pty Ltd

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

As the borders re-opened in FY23, Entech observed a significant increase in domestic and international flights taken to service clients, which contributed to 34% of Entech's FY23 emissions profile. This year, Entech is committed to setting Climate-Active-aligned time-bound emissions reduction targets. The Company has started taking actions towards emission reduction actions stated in its FY22's Climate Active Public Disclosure Statement.

Emissions Source	Entech Goals	Emissions Reduction Actions taken in FY23	Emissions Reduction Actions to be taken in FY24.	Contribution to FY23's Carbon Inventory.
Electricity	<ul style="list-style-type: none"> Zero electricity emissions for Kalgoorlie-based house and Melbourne-based office by end of FY24 from FY22. 	<ul style="list-style-type: none"> Converted to 100% GreenPower for Kalgoorlie-based house. 	<ul style="list-style-type: none"> Commence 25% phasing in of GreenPower into Perth-based office electricity mix. Opt-in for Climate Active certified electricity for Melbourne-based office. 	8%
Flights	<ul style="list-style-type: none"> Zero emissions for all business-related flights by end of FY28 from FY22. 	<ul style="list-style-type: none"> Conducted cost benefit analysis of offsetting flights through Qantas. 	<ul style="list-style-type: none"> Commence offsetting 20% of business-related flights. 	34%
Drinks (beer)	<ul style="list-style-type: none"> Convert 100% alcoholic beers to carbon neutral beers by the end of FY25 from FY22. Convert 100% wine purchase to Climate Active certified wine by the end of FY28 from FY22. 	<ul style="list-style-type: none"> Ordered Capital Brewing Co. beers for 20% of total beers purchased in FY23. 	<ul style="list-style-type: none"> Increasing purchase of Climate Active certified beers by 20%. 	<1%

General	<ul style="list-style-type: none"> Set emissions reduction targets (absolute and emissions intensity) in FY23 arrears Climate Active certification. 	<ul style="list-style-type: none"> FY22 emissions intensity: 16.29 tCO2-e/\$m AUD revenue. FY23 emissions intensity: 14.09 tCO2-e/\$m AUD revenue 	<ul style="list-style-type: none"> Achieve an emission intensity of 12 tCO2-e/\$m AUD revenue by the end of FY25. Maintain a 10% year-on-year reduction in emissions intensity. 	NIL
	<ul style="list-style-type: none"> Improve emissions data collation to improve data accuracy. 	NIL	<ul style="list-style-type: none"> Conduct employee commute survey to improve data input for FY24 arrears Climate Active certification. 	

Emissions reduction actions

Please refer to table above.

5. EMISSIONS SUMMARY

Emissions over time

		Emissions since base year	
		Total tCO ₂ -e (without uplift)	Total tCO ₂ -e (with uplift)
Base year/Year 1:	2021–22	143.05	148.20
Year 2:	2022–23	159.61	166.31

Significant changes in emissions

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Computer and technical services	1.61	16.06	Increased subscription for maintenance of software used for operations.
Short economy class flights	6.55	33.40	Reopening of borders, resulting in increased n flights taken.
Medium car: Unknown fuel	34.90	17.66	More accurate calculation of employee travel to work using updated Climate Active calculator.

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

Certified brand name	Product/Service/Building/Precinct used
Opal Australian Paper	Opal-branded Paper (Reflex)
Capital Brewing Co.	Capital Brewing Beers

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 (tCO ₂ -e)	Sum of scope 2 (tCO ₂ -e)	Sum of scope 3 (tCO ₂ -e)	Sum of total emissions (t CO ₂ -e)
Accommodation and facilities	0.00	0.00	1.82	1.82
Bespoke	0.00	0.00	0.00	0.00
Cleaning and chemicals	0.00	0.00	1.87	1.87
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Electricity	0.00	11.78	0.93	12.72
Food	0.00	0.00	10.55	10.55
ICT services and equipment	0.00	0.00	22.12	22.12
Machinery and vehicles	0.00	0.00	0.68	0.68
Postage, courier and freight	0.00	0.00	0.03	0.03
Products	0.00	0.00	0.25	0.25
Professional services	0.00	0.00	21.75	21.75
Stationary energy (liquid fuels)	0.09	0.00	0.04	0.13
Transport (air)	0.00	0.00	54.88	54.88
Transport (land and sea)	4.83	0.00	24.01	28.84
Waste	0.00	0.00	3.15	3.15
Water	0.00	0.00	0.35	0.35
Office equipment and supplies	0.00	0.00	0.48	0.48
Total emissions	4.92	11.78	142.91	159.61

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	6.70
Total of all uplift factors	6.70
Total emissions footprint to offset <i>(total emissions from summary table + total of all uplift factors)</i>	166.31

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken in-arrears offsetting approach. The total emission to offset is 167 t CO₂-e. The total number of eligible offsets used in this report is 167. Of the total eligible offsets used, 0 were previously banked and 167 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	UNFCCC	23 Jan 2024	IN-5-314313331-2-2-0-4709 – IN-5-314313463-2-2-0-4709 (Refer to proof of retirement in Appendix A, Appendix 1)	CP2	0	133	0	0	133	79.64%
Yuin Station, Murchison, HIR aggregation	KACCU	ANREU	9 Jun 2023	8,352,664,491 – 8352,664,547 (Refer to proof of retirement in Appendix A, Appendix 2)	2022-23	0	34	0	0	34	20.36%
Total eligible offsets retired and used for this report										167	
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)	34	20.36%
Certified Emissions Reductions (CERs)	133	79.64%

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>	<p>Date: 23 JANUARY 2024 REFERENCE: VC31732/2024</p>
<p>VOLUNTARY CANCELLATION CERTIFICATE</p>	<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*</p>
	<p>Reason for cancellation Retired on behalf of Entech Pty Ltd to meet their carbon neutral obligations as required for their FY23 Climate Active Carbon Neutral Organisation certification.</p>
	<p>Number of units cancelled</p>
	<p>133 CERs Equivalent to 133 tonne(s) of CO₂</p>
<p>Start serial number: IN-5-314313331-2-2-0-4709 End serial number: IN-5-314313463-2-2-0-4709 Monitoring period: 01-03-2014 - 31-12-2020</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 cancelor.</p>

Appendix 1: Retirement confirmation of 133 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

Account Number	AU-3150
Account Name	EVERCLIME PTY LTD
Account Holder	EVERCLIME PTY LTD

Acquiring Account

Account Number	AU-1068
Account Name	Australia Voluntary Cancellation Account
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			ERF159555					2022-23		8,352,664,490 - 8,352,664,589	100

Appendix 2: Retirement confirmation of 34 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 below ACCU credit serial numbers represent 34t 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 66t 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 **location-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	17,260	0	45%
Total non-grid electricity	17,260	0	45%
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	172	0	0%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	4,005	0	10%
Residual Electricity	17,125	16,354	0%
Total renewable electricity (grid + non grid)	21,437	0	56%
Total grid electricity	21,302	16,354	11%
Total electricity (grid + non grid)	38,562	16,354	56%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	17,125	16,354	
Scope 2	15,123	14,443	
Scope 3 (includes T&D emissions from consumption under operational control)	2,002	1,912	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	55.59%
Mandatory	10.39%
Voluntary	0.45%
Behind the meter	44.76%
Residual scope 2 emissions (t CO₂-e)	14.44
Residual scope 3 emissions (t CO₂-e)	1.91
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	14.44
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	1.91
Total emissions liability (t CO₂-e)	16.35

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	
		(kWh)	Scope 2 Emissions (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
Percentage of grid electricity consumption under operational control	100%					
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	0	0	0	0	0	0
VIC	2,705	2,705	2,299	189	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	18,597	18,597	9,484	744	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	21,302	21,302	11,783	933	0	0
ACT	0	0	0	0		
NSW	0	0	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	17,260	17,260	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	17,260	17,260	0	0		
Total electricity (grid + non grid)	38,562					

Residual scope 2 emissions (t CO ₂ -e)	11.78
Residual scope 3 emissions (t CO ₂ -e)	0.93
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	11.78
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	0.93
Total emissions liability	12.72

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 in the coming years, 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. However, if the number of UK-based employees increases to four employees, Entech will start collecting activity data and including it in its carbon inventory. 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.

Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Entech Mining Pty Ltd	Y	N	N	N	N	<p>Size: Entech Mining Pty Ltd has yet to conduct a GHG assessment on their operations, therefore Entech is unsure of its emissions profile. However, operations at Entech Mining Pty Ltd is of a substantial size, and therefore Entech considers it to be of a large relative to Entech's emissions profile.</p> <p>Influence: Entech does not have the potential to influence the emissions and operational control from this source.</p> <p>Risk: There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest.</p> <p>Stakeholders: Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business.</p> <p>Outsourcing: Entech Mining Pty Ltd is not outsourced and hires locally in Canada.</p>



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