



PUBLIC DISCLOSURE STATEMENT

DECARBONOLOGY


ORGANISATION CERTIFICATION

FY2022–23

Australian Government

Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Decarbonology
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>  Cameron Edwards Director 16 November 2023



Australian Government

Department of Climate Change, Energy,
the Environment and Water

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Version March 2023.



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	2 tCO ₂ -e
OFFSETS USED	100% VERs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Decarbonology
TECHNICAL ASSESSMENT	N/A
THIRD PARTY VALIDATION	Type 1 14 February 2024 Grafton Partners

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2. CARBON NEUTRAL INFORMATION

Description of certification

This carbon neutral certification is for the business operations of Decarbonology, ABN 41 649 382 221

Organisation description

Decarbonology, holding the ABN/CAN 41 649 382 221, Established with the core mission to assist businesses in navigating the complexities of carbon footprint reduction, Decarbonology excels in offering bespoke end-to-end solutions that encompass the measurement, mitigation, and reporting of carbon emissions. Operating under the singular trading name 'Decarbonology,' and devoid of any subsidiaries, our organisation stands as a beacon of focused expertise in the climate action domain.

Headquartered at 191 St Georges Terrace, Perth, WA 6000, Decarbonology's operations are centralized, ensuring organised and streamlined delivery of services. Our organisational structure and operational paradigm are anchored in the Financial Control approach, signifying our commitment to not just influence but directly manage the carbon reduction initiatives within the operational view of our clients.

The following subsidiaries are also included within this certification:

Legal entity name	ABN	ACN
N/A		

3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary.

Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

Quantified emissions have been assessed as relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however are **optionally included**.

Non-quantified emissions have been assessed as relevant and are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

Outside the emissions boundary

Excluded emissions are those that have been assessed as not relevant to an organisation's 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
- Cleaning and chemicals
- Electricity
- Refrigerants
- Stationary energy and fuels
- Transport (land and sea)
- Waste
- Water
- Working from home

Non-quantified

- Carbon neutral products and services
- Food
- ICT services and equipment
- Professional services
- Postage, courier and freight
- Transport (air)

Optionally included

Outside emission boundary

Excluded

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

Our Short-term reduction strategy focuses on intensity reductions for transport and energy which are the biggest sources of emissions of Decarbonology.

Target: Aim for a 30% reduction in CO2 emissions by 2025 from the FY 2023 baseline.

Immediate Actions (2024): Behavior Change and Virtualisation.

Implement a comprehensive program to encourage energy-saving behaviors such as turning off equipment when not in use and maximising natural light. Increase the use of virtual meetings to reduce travel-related emissions.

Target: Achieve a 10% reduction in energy consumption and travel emissions.

Medium Term Actions (2025-2026): Sustainable Commuting.

Promote sustainable commuting options among employees, including public transportation, biking, and carpooling.

5.EMISSIONS SUMMARY

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

Certified brand name	Product/Service/Building/Precinct used
N/A	N/A

Emissions summary

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

Emission category	Sum of Scope 1 (t CO ₂ -e)	Sum of Scope 2 (t CO ₂ -e)	Sum of Scope 3 (t CO ₂ -e)	Sum of Total Emissions (t CO ₂ -e)
Accommodation and facilities	0.00	0.00	0.00	0.00
Cleaning and chemicals	0.00	0.00	0.00	0.00
Electricity	0.00	0.78	0.06	0.84
Refrigerants	0.00	0.00	0.00	0.00
Stationary energy (gaseous fuels)	0.05	0.00	0.00	0.05
Stationary energy (liquid fuels)	0.00	0.00	0.00	0.00
Transport (land and sea)	0.00	0.00	1.74	1.74
Waste	0.00	0.00	0.13	0.13
Water	0.00	0.00	0.00	0.00
Working from home	0.00	0.00	-1.67	-1.67
Office equipment and supplies	0.00	0.00	0.00	0.00
Total	0.05	0.78	0.27	1.10

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
mandatory 5% uplift for small organisations	0.054
Total of all uplift factors	5%
Total emissions footprint to offset (total emissions from summary table + total of all uplift factors)	1.15

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken a forward offsetting approach. The total emission to offset is 2 t CO₂-e. The total number of eligible offsets used in this report is 2 t CO₂-e. Of the total eligible offsets used, 0 were previously banked and 2 were newly purchased and retired. 1 is remaining and have been banked for future use.

Co-benefits

The Mount Sandy project permanently protects a regionally and culturally important pocket of biodiversity-rich land in partnership with its Traditional Owners. Local birds, animals and plants flourish undisturbed, while native plants for revegetation are supplied by the local nursery at Raukkan Aboriginal Community, a self-governed Indigenous community 50 kilometres northwest of the project site. Raukkan community members are also employed for onsite works including vegetation monitoring and mapping, fencing, and pest and weed control. By supporting EcoAustralia, Australia's unique heritage and vegetation are protected for generations to come; while certified emission reductions are helping to slow the climate crisis and create a circular economy.

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 (%)
SSE1 Solar PV 1 – 10 Power Plant Project (GS4273)	VER	GSR	21 August 2024	GS1-1-TH-GS4273-2-2018-18822-47379-47440	2018	0	62*	0	0	2	100%
SSE1 Solar PV 1-10 Power Plant Project (GS4273)	VER	GSR	21 August 2024	GS1-1-TH-GS4273-2-2021-27225-1-3600	2021	0	3600*	0	1	0	
Stapled to EcoAustralia	RE + Australian Biodiversity Unit (ABU)		11 October 2023	Climate Clever Certificate Number: 16969912304259	2023	3					
Total eligible offsets retired and used for this report										2	
Total eligible offsets retired this report and banked for use in future reports										1	
Type of offset units		Eligible quantity (used for this reporting period)					Percentage of total				
Verified Emissions Reductions (VERs)		2					100%				

*Decarbonology have retired 3662t of VERs on behalf of ourselves and our clients. 3 have been retired on behalf of Decarbonology Pty Ltd.

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 **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	0	0	0%
Total non-grid electricity	0	0	0%
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	0	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)	286	0	19%
Residual Electricity	1,236	1,180	0%
Total renewable electricity (grid + non grid)	286	0	19%
Total grid electricity	1,522	1,180	19%
Total electricity (grid + non grid)	1,522	1,180	19%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	1,236	1,180	
Scope 2	1,091	1,042	
Scope 3 (includes T&D emissions from consumption under operational control)	144	138	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	18.80%
Mandatory	18.80%
Voluntary	0.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	1.04
Residual scope 3 emissions (t CO₂-e)	0.14
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	1.04
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.14
Total emissions liability (t CO₂-e)	1.18

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 (kg CO ₂ -e)	Scope 3 Emissions (kg CO ₂ -e)	(kWh)	Scope 3 Emissions (kg CO ₂ -e)
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	0	0	0	0	0	0
VIC	0	0	0	0	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	1,522	1,522	776	61	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	1,522	1,522	776	61	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	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	0	0	0	0		
Total electricity (grid + non grid)	1,522					

Residual scope 2 emissions (t CO ₂ -e)	0.78
Residual scope 3 emissions (t CO ₂ -e)	0.06
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	0.78
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	0.06
Total emissions liability	0.84

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 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
Carbon neutral products and services	Immaterial
Food	Immaterial
ICT services and equipment	Immaterial
Professional services	Immaterial
Postage, courier and freight	Immaterial
Transport (air)	Immaterial

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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