# PUBLIC DISCLOSURE STATEMENT

DECARBONOLOGY PTY LTD

ORGANISATION
FY2023-2024

Australian Government

# Climate Active
# Public Disclosure Statement

An Australian Government Initiative

| | |
|---|---|
| NAME OF CERTIFIED ENTITY | Decarbonology |
| REPORTING PERIOD | financial year 1 July 2023 – 30 June 2024 |
| 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.*  |
| | Cameron Edwards<br>Director<br>2nd April 2025 |

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



Version 9.

# 1.CERTIFICATION SUMMARY

| | |
|---|---|
| TOTAL EMISSIONS OFFSET | 2 $tCO_2$-e |
| CARBON OFFSETS USED | 100% VCUs |
| RENEWABLE ELECTRICITY | N/A |
| CARBON ACCOUNT | Prepared by: Decarbonology |
| TECHNICAL ASSESSMENT | N/A (Small Organisation) |

Contents

# 2. CERTIFICATION INFORMATION

## Description of organisation certification

This carbon neutral certification is for the business operations of Decarbonology, ABN 41 649 382 221. There are no subsidiaries, alternative brands or international operations. The entire company operations are included in the organisation boundary.

This Public Disclosure Statement includes information for FY2023-2024 reporting period.

## 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 centralised, 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.

# 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**

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

**Non-quantified**

N/A

**Outside emission boundary**

**Excluded**

N/A

# 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):** Behaviour 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.

## Emissions reduction actions

We have reduced our emissions through more sustainable commuting and working with the landlord to reduce energy and waste.

# 5.EMISSIONS SUMMARY

## Emissions Summary

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

| | Sum of Scope 1 emissions (tCO2-e) | Sum of Scope 2 emissions (tCO2-e) | Sum of Scope 3 emissions (tCO2-e) | Sum of Total emissions (t CO2-e) |
|---|---|---|---|---|
| Accommodation and facilities | 0.00 | 0.00 | 0.00 | 0.00 |
| Cleaning and chemicals | 0.00 | 0.00 | 0.00 | 0.00 |
| Climate Active carbon neutral products and services | 0.00 | 0.00 | 0.00 | 0.00 |
| Electricity | 0.00 | 0.80 | 0.06 | 0.86 |
| Food | 0.00 | 0.00 | 0.00 | 0.00 |
| ICT services and equipment | 0.00 | 0.00 | 0.00 | 0.00 |
| Office equipment and supplies | 0.00 | 0.00 | 0.00 | 0.00 |
| Postage, courier and freight | 0.00 | 0.00 | 0.00 | 0.00 |
| Professional services | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 |
| Stationary energy (solid fuels) | 0.00 | 0.00 | 0.00 | 0.00 |
| Transport (air) | 0.00 | 0.00 | 0.00 | 0.00 |
| Transport (land and sea) | 0.00 | 0.00 | 2.14 | 2.14 |
| 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 | -2.39 | -2.39 |
| **Grand Total** | **0.05** | **0.80** | **-0.06** | **0.79** |

WFH Negative emissions represent avoided emissions not accounted for in staff commute net emissions (Transport (land and sea))

## Significant changes in emissions

| Emission source | Previous year emissions (t $CO_2$-e) | Current year emissions (t $CO_2$-e) | Reason for change |
|---|---|---|---|
| Bus | 0.24 | 0.39 | Decarbonology is a strong supporter of public transport and encourages all staff and executives to use whenever possible. |
| Diesel : Medium Car | 0.60 | 0.10 | Reduced car usage by all staff and executives. These emissions have been offset 100%. |
| Petrol: Medium Car | 0.00 | 0.33 | Decarbonology's business continued to grow leading to more client visits, including regional field trials and increased fuel usage. These emissions have been offset 100%. |
| Medium Car: unknown fuel | 0.56 | 0.84 | Decarbonology's business continued to grow leading to more client visits, including regional field trials and increased fuel usage. These emissions have been offset 100%. |
| Metro train | 0.35 | 0.48 | Decarbonology is a strong supporter of public transport and encourages all staff and executives to use whenever possible. |

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

N/A

## 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** |
|---|---|
| Total emissions (tCO2-e without uplift) | 0.79 |
| mandatory 5% uplift for small organisations | 0.039 |
| Additional voluntary 5% uplift | 0.039 |
| Total uplift amount | 0.079 |
| Total emissions after uplift | 0.87 |
| **Total emissions footprint to offset** *(total emissions from summary table + total of all uplift factors)* | 2* |

*Decarbonology has retired an additional offset to a total of 2 carbon offsets for the purposes of conservative accounting.

# 6. CARBON OFFSETS

## Eligible offsets retirement summary

**Offsets retired for Climate Active certification**

| Type of offset unit | Quantity used for this reporting period | Percentage of total units used |
|---|---|---|
| Verified Carbon Units (VCUs) | 2 | 100% |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 674 - Rimba Raya Biodiversity Reserve Project | VCU | Verra Registry | 1 April 2025 | 9900-157616945-157616946-VCS-VCU-263-VER-ID-14-674-01012018-31122018-1 | 2018 | 2 | 0 | 0 | 2 | 100% |

## Co-benefits

The Rimba Raya project is the first REDD+ project validated under the Verified Carbon Standard and maintains the world's largest privately funded orangutan sanctuary with Orangutan Foundation International. The project area acts as a physical buffer between palm oil plantations and the Tanjung Puting National Park (TPNP), preventing further encroachment of the TPNP. This is ecologically significant as the TPNP houses one of the last remaining wild populations of orangutans on earth. Without the project, the area would have likely been converted into palm oil plantations, releasing millions of tons of greenhouse gases from the peat deposits within the project area. In a consolidated conservation effort, the project works with local community members to maintain local nurseries. The seedlings from these nurseries are then purchased by the project and planted together with the community members. Over 74,800 seedlings have been purchased and planted since the start of the project.

The Rimba Raya project is also the first project in the world to be certified under the SD Vista program for meeting all 17 UN Sustainable Development Goals. The project has a strong focus on reducing conflict in human-wildlife interactions without compromising the livelihoods of the communities in the area. Some of the project's initiatives include capacity building, micro-finance programs, and improving healthcare services. Through the training and employment of local communities for project activities, the project has provided alternative job opportunities that complement environmental conservation. Better agricultural practices and agroforestry programs also reduce the unnecessary conversions of forests to farmland. By implementing initiatives that address various social issues, the project has helped to improve the overall well-being of the local communities.

# 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) | 283 | 0 | 19% |
| Residual Electricity | 1,228 | 1,118 | 0% |
| **Total renewable electricity (grid + non grid)** | **283** | **0** | **19%** |
| **Total grid electricity** | **1,511** | **1,118** | **19%** |
| **Total electricity (grid + non grid)** | **1,511** | **1,118** | **19%** |
| Percentage of residual electricity consumption under operational control | 100% | | |
| **Residual electricity consumption under operational control** | **1,228** | **1,118** | |
| Scope 2 | 1,093 | 995 | |
| Scope 3 (includes T&D emissions from consumption under operational control) | 135 | 123 | |
| **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)** | **0.99** |
| **Residual scope 3 emissions (t $CO_2$-e)** | **0.12** |
| **Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t $CO_2$-e)** | **0.99** |
| **Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t $CO_2$-e)** | **0.12** |
| **Total emissions liability (t $CO_2$-e)** | **1.12** |

*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 | 1,511 | 1,511 | 801 | 60 | 0 | 0 |
| TAS | 0 | 0 | 0 | 0 | 0 | 0 |
| **Grid electricity (scope 2 and 3)** | **1,511** | **1,511** | **801** | **60** | **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)** | **1,511** | | | | | |

| | |
|---|---|
| **Residual scope 2 emissions (t $CO_2$-e)** | **0.80** |
| **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)** | **0.80** |
| **Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t $CO_2$-e)** | **0.06** |
| **Total emissions liability** | **0.86** |

## 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

N/A

## Excluded emissions sources summary

| Emission sources tested for relevance | Size | Influence | Risk | Stakeholders | Outsourcing | Justification |
|---|---|---|---|---|---|---|
| N/A | Y / N | Y / N | Y / N | Y / N | Y / N | |

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