




PUBLIC DISCLOSURE STATEMENT

APPLIED ENVIRONMENT & SAFETY PTY LTD

**ORGANISATION CERTIFICATION
CY2024**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Applied Environment & Safety Pty Ltd
REPORTING PERIOD	1 January 2024 – 31 December 2024
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>Melanie Dixon Director 28/04/25</p>



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

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Version 9.1.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	12 tCO ₂ -e
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	N/A – 100% of staff work from home
CARBON ACCOUNT	Prepared by: Sustainable Business Consultants
TECHNICAL ASSESSMENT	N/A – Small organisation

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2. CERTIFICATION INFORMATION

Description of organisation certification

This organisation certification is for the Australian business operations of Applied Environment & Safety Pty Ltd, ABN 56 604 594 185. It includes all emissions for which the organisation is directly and indirectly responsible. It does not include Applied Environment & Safety services or Scope 3 accommodation and business travel (air and land), as these emissions belong to our clients.

This Public Disclosure Statement includes information for calendar year 2024 reporting period.

Organisation description

Applied Environment & Safety Pty Ltd (ABN 56 604 594 185) ("AES") provides practical environmental and safety services. Our services include environmental planning and approvals; development of environmental and safety management plans and systems; onsite operational health, safety and environment management; inspections and auditing; and general health, safety and environment contractor services.

We work with a diverse range of clients and industries including construction, power and transmission, renewables, onshore oil and gas, roads and transport and more, to deliver successful environmental and safety outcomes.

This certification is based on the operational control method of setting the emissions boundary.

Our staff operate from our clients' facilities and from our home offices in Queensland. A large portion of our work in CY2024 was onsite environmental management contractor services where we worked from our clients' facilities. Whilst at these facilities, accommodation and meals are provided by the clients. Business travel to those sites is also under the operational control of clients. As such the Scope 3 emissions relating to onsite work at client's facilities and travel to, is out of our control and has not been included for the last two years. Prior to 2022, we chose to include these in our carbon inventory and to purchase offsets. However since Climate Active's recently introduced requirements to not include 'optional' emissions categories, and as these emission sources belong to the clients', they are not included in AES' carbon inventory.

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.

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 however this is not relevant for a small organisation using the small organisation emissions boundary.

Inside emissions boundary

Quantified

- Accommodation
- Cleaning and chemicals
- Electricity
- Food
- Fuel used in company vehicle
- ICT services and equipment
- Professional services
- Office equipment and supplies
- Postage, courier and freight
- Transport (air)
- Transport (land and sea)
- Waste
- Water
- Working from home

Non-quantified

- Refrigerants
- Stationery energy – natural gas

Outside emission boundary

Excluded

Food and accommodation whilst working at client sites

Business travel (air and land) to client sites for which are under clients' operational control

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

We conducted a major review and update of the Emissions Reduction Strategy in 2024. Additional initiatives to reduce emissions through behaviour change have been included in the strategy including work from home energy efficiency actions such as turning off devices and equipment when not in use.

Another major update of the strategy was the inclusion of a Sustainable Procurement Policy and action plan to prioritise local purchases, carbon neutral, ethical and / or environmentally friendly products and services and energy efficient transport options (fit for purpose).

Applied Environment & Safety commits to reducing total emissions of its business operations by 30% by CY2030, from a CY2020 baseline.

The table below sets out our initiatives across Scopes 1 and 3. Scope 2 electricity is not relevant for our company as all staff work from home.

For completeness, we have retained past years in the table to show what has been achieved to date

Initiative	CY2022	CY2023	CY2024	CY2025	CY2026	CY2027	CY2028	CY2029	CY2030	Target
Scope 1 Energy used in company vehicles										
Reduce emissions from travel in company vehicles by switching to electric vehicles			x							100% electric vehicles by CY2026
Online eco driving training for employees to reduce energy consumption/emissions during driving			x							Employee training completed
Reduce emissions from travel by implementing eco driving practices				x	x	x	x	x	x	Eco driving practices implemented
Scope 3 Energy related to working from home										
Renewable energy options are prioritised for team members working from home ¹	x	x	x	x	x	x	x	x	x	75% renewable energy use
Energy efficiency audits conducted by each team member working from home to identify opportunities to reduce energy use				x						Energy efficiency audits completed
Opportunities to reduce energy use for team members working from home are implemented				x	x	x	x	x	x	Energy efficiency opportunities implemented
Scope 3 Policy										
Development of Sustainable Procurement Policy and establishment of action plan. These documents will prioritise: <ul style="list-style-type: none"> - Local purchases - Carbon neutral, ethical and/or environmentally friendly products and services - Travel / transport options are more efficient (fit for purpose) and offset if possible 			x	x						Sustainable Procurement Policy developed

¹ Renewable energy options include installed solar or GreenPower/carbon neutral energy plans

Initiative	CY2022	CY2023	CY2024	CY2025	CY2026	CY2027	CY2028	CY2029	CY2030	Target
Purchase of carbon neutral certified products and services	x	x	x	x	x	x	x	x	x	Annual updates to procurement plan and investigating the market for carbon neutral alternatives
Implementation and annual update of sustainable procurement action plan			x	x	x	x	x	x	x	Implementation of Sustainable Procurement Policy through action plan
Actively pursuing local and remote work to minimise scope 3 travel related carbon emissions First priority is local ² , second is drive in-drive out (“DIDO”)			x	x	x	x	x	x	x	50% billable hours are local ²
Review and update of emissions reduction strategy			x			x			x	Review and where required, update, emissions reduction strategy to reflect current and upcoming work contracts.

² Local = WFH + DIDO that does not require overnight accommodation (reduce travel distances and accommodation emissions)

Emissions reduction actions

In 2024, AES purchased an electric vehicle, replacing the petrol fuelled vehicle. The team undertook online eco driving training for all employees to reduce energy consumption/emissions during driving.

Where employees work from home, to reduce Scope 3 emissions, the AES strategy primarily focuses on either buying Carbon Neutral power and/or installing solar power at employees' homes. This remains the priority, however where AES employees may not have the ability to choose their electricity retailer or install solar panels, we have updated the strategy to identify behaviour change and energy efficiency opportunities through the equipment used in employees' home offices from CY2025.

AES pursued and prioritised work with clients that was local for employees, work from home or drive in-drive out within the south-east Queensland region to minimise scope 3 travel related carbon emissions. Where available, our employees selected public transport over driving.

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:	2020	12.6	13.4
Year 2:	2021	15.4	16.1
Year 3:	2022	10.9	11.4
Year 4:	2023	5.7	5.9
Year 5:	2024	10.59	11.12

Significant changes in emissions

Significant changes in emissions			
Emission source	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Reason for change
Motor vehicles (capital goods)	0.00	4.83	Purchase of an EV during 2024
Petrol: Medium Car	3.35	1.38	Purchase of an EV during 2024

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

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

Emissions summary

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

	Sum of Scope 1 emissions (tCO ₂ -e)	Sum of Scope 2 emissions (tCO ₂ -e)	Sum of Scope 3 emissions (tCO ₂ -e)	Sum of Total emissions (t CO ₂ -e)
Accommodation and facilities	0.00	0.00	0.05	0.05
Cleaning and chemicals	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	1.71	1.71
Machinery and vehicles	0.00	0.00	4.83	4.83
Office equipment and supplies	0.00	0.00	0.38	0.38
Postage, courier and freight	0.00	0.00	0.01	0.01
Professional services	0.00	0.00	2.00	2.00
Transport (air)	0.00	0.00	0.00	0.00
Transport (land and sea)	0.00	0.00	1.38	1.38
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.07	0.07
Working from home	0.00	0.00	0.16	0.16
Grand Total	0.00	0.00	10.59	10.59

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	0.53
Total of all uplift factors (tCO ₂ -e)	0.53
Total emissions footprint to offset (tCO₂-e) <i>(total emissions from summary table + total of all uplift factors)</i>	11.12

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)	12	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
Theparak Wind Project Thailand	VCU	Verra Registry	28/4/2025	8144-460984871-460984906-VCU-1491-VER-TH-1-2002-01012019-31102019-1	2019	36	0	24	12	100.00%
Offset Totals:						36	0	24	12	100.00%

Stapled units summary

The below units have been 'stapled' to eligible Climate Active carbon offset units. Stapled units may represent a beneficial outcome, such as biodiversity protection or improved water quality. These purchases are additional to Climate Active program requirements.

Stapled units and their corresponding scheme or project have not been assessed by Climate Active against the offset integrity principles in the Climate Active Carbon Neutral Standards and are not included in the list of eligible Climate Active carbon offset units (Appendix A of the Standards). Businesses have undertaken their own due diligence when purchasing these stapled units.

Project name	Unit type e.g. biodiversity	Project location	Eligible offset project stapled to	Stapled quantity	Link to project or evidence
Biodiversity Reforestation Carbon Offsets – Australian Yarra Yarra Biodiversity Project	Biodiversity	Western Australia	Theparak Wind Project - Indonesia	36	Serial numbers: NWSA-B1- 23/0023481-0023516 – see certificate at Attachment A.

Co-benefits

Theparak Wind Project Thailand

SOCIAL WELLBEING. The project generated temporary and permanent employment opportunities during the construction and operation phases and was responsible for regional infrastructure development, e.g., road upgrades, free health and medical treatment for community elders, education and training opportunities for school children and school infrastructure improvements.

ECONOMIC WELLBEING. The project demonstrates a regional investment in clean technology which would otherwise not have occurred. The project activity will also help to reduce the electricity supply and demand gap in Thailand, helping to stabilise business operations.

ENVIRONMENTAL WELLBEING. By feeding into the national grid, the wind-based power that is generated increases the renewable energy share in Thailand's national energy mix, and reduces GHG emissions and specific pollutants such as SO_x, NO_x, and SPM (associated with conventional thermal power generation facilities).

TECHNOLOGICAL WELLBEING. The project's successful operation helps to promote wind-based power generation, encouraging investment in similar projects.

Biodiversity Reforestation Carbon Offsets - Australian Yarra Yarra Biodiversity Project

Biodiverse Reforestation Carbon Offsets are from the *Yarra Yarra Biodiversity Corridor*, a native reforestation project located in Southwest Australia ecoregion. *Yarra Yarra Biodiversity Corridor* aims to link small patches of remnant vegetation and nature reserves. This is achieved by planting mixed native tree, plant and shrub species on degraded ex-agricultural land. So far over 30 million shrubs and trees have been planted. Through planting species highly adapted to the region, the revegetation project encourages the reintroduction of endangered species and combats desertification in this global biodiversity hotspot. In addition to capturing carbon, these plantings provide crucial habitat for hundreds of species of unique flora and fauna.

As land use and forestry activities are recognised as requiring high levels of upfront finance to source land, to plant and to manage, we have supplemented local biodiverse reforestation carbon offsets from the *Yarra Yarra Biodiversity Corridor* with Climate Active eligible offset units.

The following table indicates the independently reviewed co-benefits of this project and how it contributes to the United Nation Sustainable Development Goals.

Co-benefits category	Core co-benefit	Co-benefit description/nature of potential co-benefit	UN Sustainable Development Goals
Environment	Biodiversity / ecosystem services	Reconnects and restores fragmented and declining (remnant) woodland and shrubland which provides habitat for threatened flora and fauna.	Goal 15: Life on land
	Water Quality	Water quality is assumed to improve due to reduced surface runoff and reduction in sediment and nutrient loads in water catchments. Groundwater levels and salt concentrations are also expected to reduce over time.	Goal 6: Clean Water and Sanitation
	Soil Quality	Soil quality of the Yarra Yarra project area is expected to improve over time with soil organic matter increasing and salt concentrations declining.	Goal 15: Life on land
Economic	Local Employment and Skills	The establishment of plantations and conservation areas creates employment opportunities and skills development during the preparation, planting, management of the Yarra Yarra project.	Goal 3: Good Health and Well-being Goal 4: Quality Education Goal 8: Decent Work and Economic Growth Goal 17: Partnerships for the goals
Social	Indigenous cultural heritage	recognises and continues to protect significant cultural heritage sites that are located in the project area. This is assumed to strengthen cultural heritage and support spiritual re-connection to country which potentially has positive impacts on mental health and wellbeing of indigenous communities.	Goal 3: Good Health and Well-being Goal 17: Partnerships for the goals

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION



This is to certify that

Applied Environment & Safety

for its calendar year 2024 Climate Active certification has permanently surrendered

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Biodiverse Reforestation Carbon Offsets
from the *Yarra Yarra Biodiversity Corridor*, Australia

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



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 450204.

Dr Phil Ireland | Chief Executive Officer

Issue Date: 28 April 2025 | **Emissions Period:** 1 January 2024 - 31 December 2024

Serial numbers (inclusive): NWSA-BI-23/0023481-0023516

Biodiverse Reforestation Carbon Offsets support new plantings. Sequestration occurs over time and FullCAM is used to calculate the number of tonnes sequestered per hectare over 50 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.

As AES employees work entirely from home, Scope 2 emissions from office electricity are zero because AES does not own or lease office premises. Emissions associated with the company’s electric vehicle, which is charged at the director’s home, are included under Scope 3 (Working from Home).

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
<i>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.</i>		

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
<i>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.</i>		

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
Refrigerants	Immaterial
Stationery energy – natural gas	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
Food and accommodation whilst working at client sites	Y	N	N	N	N	<p>Size: The emissions source would be large compared to the rest of our carbon inventory however we have no operational control over these emissions which relate to travel to remote sites owned and operated by our clients.</p> <p>Influence: We do not have the potential to influence the emissions from this source.</p> <p>Risk: These sources do not create supply chain risks as they are not under our operational control.</p> <p>Stakeholders: The reasons for not including these emissions are clear in this certification and therefore key stakeholders are unlikely to consider this a relevant source of emissions for our business.</p> <p>Outsourcing: These sources are outside our operational control.</p>
Business travel (air and land) to client sites for which are under clients' operational control	Y	N	N	N	N	<p>Size: The emissions source would be large compared to the rest of our carbon inventory however we have no operational control over these emissions which relate to travel to remote sites owned and operated by our clients.</p> <p>Influence: We do not have the potential to influence the emissions from this source.</p> <p>Risk: These sources do not create supply chain risks as they are not under our operational control.</p> <p>Stakeholders: The reasons for not including these emissions are clear in this certification and therefore key stakeholders are unlikely to consider this a relevant source of emissions for our business.</p> <p>Outsourcing: These sources are outside our operational control.</p>



An Australian Government Initiative

