



# **PUBLIC DISCLOSURE STATEMENT**

**EARTH SANCTUARY**

**ORGANISATION CERTIFICATION  
CY2024**

Australian Government  
**Climate Active**  
**Public Disclosure Statement**



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Milikom Pty Ltd as trustee for the Falzon Management Trust, (trading as Earth Sanctuary World Nature Centre)
REPORTING PERIOD	1 January 2024 – 31 December 2024 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>Tom Falzon</i></p>
	<p>Tom Falzon          Director          27/6/25</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	133 tCO <sub>2</sub> -e
CARBON OFFSETS USED	100% ACCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Cool Planet
TECHNICAL ASSESSMENT	27/6/25 Cool Planet 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 Milikom Pty Ltd acting as trustee for the Falzon Management Unit Trust, trading as Earth Sanctuary World Nature Centre, ABN 88 917 962 421 including the subsidiaries listed in the table below.

This Public Disclosure Statement includes information for CY2024 reporting period.

## Organisation description

Established in 1999, Earth Sanctuary (ABN: 88 917 962 421) is an award winning outback venue, 15 minutes from Alice Springs. Overlooking the spectacular East MacDonnell Ranges, Earth Sanctuary is a leader in education and sustainable tourism.

Earth Sanctuary is located in an area free from light and atmospheric pollution, which can hamper night sky viewing, allowing Earth Sanctuary the opportunity to deliver unique astronomy-based experiences.

In addition to astronomy and education tours, Earth Sanctuary delivers bespoke functions and events, tailored to suit customer needs, as well as standard dinner and show experience aimed at the domestic and international touring market.

The organisational boundary approach is based on the operational control approach to the measurement of greenhouse gases.

Earth Sanctuary is located at Colonel Rose Dr, Connellan, NT 0870.

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		Outside emission boundary
<p><b><u>Quantified</u></b></p> <ul style="list-style-type: none"><li>• Accommodation</li><li>• Carbon neutral products and services</li><li>• Cleaning and chemicals</li><li>• Electricity</li><li>• Food</li><li>• ICT services and equipment</li><li>• Professional services</li><li>• Land and sea transport</li><li>• Office equipment and supplies</li><li>• Postage, courier and freight</li><li>• Refrigerants</li><li>• Stationary energy and fuels</li><li>• Transport (air)</li><li>• Transport (land and sea)</li><li>• Waste</li><li>• Water</li><li>• Working from Home</li></ul>	<p><b><u>Non-quantified</u></b></p> <p>N/A</p>	<p><b><u>Excluded</u></b></p> <p>Emissions associated with visitors travelling to and from the centre.</p>
	<p><b><u>Optionally included</u></b></p> <p>N/A</p>	

## 4. EMISSIONS REDUCTIONS

### Emissions reduction strategy

At Earth Sanctuary, we recognise that preserving the environment is not only central to our mission—it is the reason we exist. As a leading destination for ecological education and sustainable tourism, we understand that our operations must reflect the principles we teach. Reducing our emissions is a natural extension of our commitment to regeneration, resilience, and intergenerational responsibility.

In line with this, Earth Sanctuary has committed to an absolute 56% reduction in total greenhouse gas emissions by 2030, compared to a 2022 baseline. This equates to an average annual reduction of 7% a year for eight years aligning with the Climate Active framework for credible climate action.

Furthermore, Earth Sanctuary will:

- Reduce the amount of red meat served and increase reporting accuracy to reduce food related emissions by at least 20%.
- Waste and recycling improvements will reduce waste emissions by at least 25%.
- Energy efficiency measure and education to reduce by electricity emissions by at least 10%

All three targets based off Earth Sanctuary's base year and to be achieved by 2030.

Our strategy is not just a carbon reduction target, but a deeper ethos: that environmental leadership starts with integrity. By aligning our operations with the outcomes we wish to see in the world, Earth Sanctuary will continue to educate, inspire and serve as a living example of practical, measurable sustainability.

In CY24, our third year of reporting, emissions have decreased 30%, in line with our 2030 targets.

### Emissions reduction actions

A number of reduction actions have been implemented in the last year, the two most significant are:

- Food and catering – Reducing the amount of red meat served, increased reporting accuracy and updated CA emissions factors have led to food related emissions dropping by 62% (target 25%)
- Electricity – A number of energy efficiency improvements have helped reduce electricity emissions by over 11% (target 10%).

## 5. EMISSIONS SUMMARY

### Emissions over time

Emissions since base year			
		Total tCO <sub>2</sub> -e (without uplift)	Total tCO <sub>2</sub> -e (with uplift)
Base year:	2022	180.22	189.23
Year 2:	2023	180.56	189.58
Year 3:	2024	126.66	132.99

### Significant changes in emissions

The primary reason for increases is attributable to the strong growth of the business which saw an increase in some categories, coupled with extra emissions sources due to increased accuracy and reporting scope.

Plane flights and waste have both seen significant increases. The flights are staff related and involves visiting clients predominately in Melbourne and Sydney. The significant growth of the business and being located in Alice Springs makes reducing plane flights difficult. Waste emissions have doubled, which is in part increased visitor numbers and the limited recycling and composting options available in Alice Springs. This has coincided with the more accurate recording of waste data, all of which have contributed to the significant increase of waste emissions. New strategies to reduce these emissions sources and their results will be included in next years PDS.

Significant changes in emissions			
Emission source	Previous year emissions (t CO <sub>2</sub> -e)	Current year emissions (t CO <sub>2</sub> -e)	Reason for change
<b>Fresh meat</b>	0.00	18.01	Previously accounted for in 'Meat Products' (beef)
<b>Short economy class flights (&gt;400km, ≤3,700km)</b>	7.07	23.46	Growth in business involved more flights to clients.
<b>Commercial and Industrial Waste</b>	14.76	31.83	Growth in business and better records of waste data.

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

N/A.

## Emissions summary

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

Emission category	Sum of Scope 1 emissions (tCO <sub>2</sub> -e)	Sum of Scope 2 emissions (tCO <sub>2</sub> -e)	Sum of Scope 3 emissions (tCO <sub>2</sub> -e)	Sum of Total emissions (t CO <sub>2</sub> -e)
Accommodation and facilities	0.00	0.00	0.00	0.00
Cleaning and chemicals	0.00	0.00	0.38	0.38
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Construction materials and services	0.00	0.00	0.00	0.00
Electricity	0.00	6.56	0.85	7.41
Food	0.00	0.00	38.73	38.73
Horticulture and agriculture	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	2.51	2.51
Machinery and vehicles	0.00	0.00	0.00	0.00
Office equipment and supplies	0.00	0.00	0.30	0.30
Postage, courier and freight	0.00	0.00	0.00	0.00
Products	0.00	0.00	0.00	0.00
Professional services	0.00	0.00	10.04	10.04
Refrigerants	0.29	0.00	0.00	0.29
Roads and landscape	0.00	0.00	0.00	0.00
Stationary energy (gaseous fuels)	0.00	0.00	0.00	0.00
Stationary energy (liquid fuels)	1.87	0.00	0.62	2.50
Stationary energy (solid fuels)	0.00	0.00	0.00	0.00
Transport (air)	0.00	0.00	23.63	23.63
Transport (land and sea)	0.00	0.00	6.84	6.84
Waste	0.00	0.00	31.83	31.83
Water	0.00	0.00	2.04	2.04
Working from home	0.00	0.00	0.15	0.15
<b>Grand Total</b>	<b>2.16</b>	<b>6.56</b>	<b>117.93</b>	<b>126.66</b>

## 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 <sub>2</sub> -e
mandatory 5% uplift for small organisations	6.333
Total of all uplift factors (tCO <sub>2</sub> -e)	6.333
<b>Total emissions footprint to offset (tCO<sub>2</sub>-e)</b> <i>(total emissions from summary table + total of all uplift factors)</i>	<b>132.990</b>

## 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
Australian Carbon Credit Units (ACCUs)	133	100.00%

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
Biodiverse Carbon Conservation	ACCU	ANREU	4/7/2025	8,336,095,030 - 8,336,095,059	2021-22	30	0	0	30	22.56%
Carbon Conscious Carbon Capture Project 1	ACCU	ANREU	4/7/2025	3,766,010,396 - 3,766,010,498	2017-18	103	0	0	103	77.44%
<b>Offset Totals:</b>						133	0	0	133	100.00%

## Co-benefits

### **Carbon Conscious Carbon Capture Project**

This project establishes permanent plantings of mallee eucalypt tree species on land that was predominantly used for agricultural purposes for at least five years prior to project commencement.

### **Biodiverse Carbon Conservation**

This project establishes permanent plantings of a mix of native tree species on land that was predominantly used for agricultural purposes for at least five years prior to project commencement. The tree species are native to the local area.



# 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

## Renewable Energy Certificate (REC) summary

N/A.

# APPENDIX A: ADDITIONAL INFORMATION

**Australian National Registry of Emissions Units**

Transaction Details

Transaction details appear below.

**Transaction Successfully Approved**

Transaction ID: AU4250  
 Current Status: Completed (4)  
 Status Date: 04/07/2025 08:52:12 (AEST)  
 03/07/2025 22:52:12 (GMT)  
 Transaction Type: Cancellation (4)  
 Transaction Initiator: Leo, Hubert Chi Ho  
 Transaction Approver: Moore, Timothy Nicholas  
 Comment: Voluntary retirement on behalf of Milikon Pty Ltd as trustee for the Fabon Management Trust, (trading as Earth Sanctuary World Nature Centre)

**Transferring Account**

Account Number: AU-2916  
 Account Name: Regenco Pty Ltd  
 Account Holder: Regenco Pty Ltd

**Acquiring Account**

Account Number: AU-1060  
 Account Name: Australia Voluntary Cancellation Account  
 Account Holder: Commonwealth of Australia

Facility	Type	Transaction Type	Original CP	Current CP	ERF Project ID	NGER Facility ID	NGER Facility Name	Sequenced	Kyoto Project #	Yintest	Expiry Date	Serial Range	Quantity
AU	KACCU	Voluntary ACCU Cancellation			EDF1003B						2017-18	3,766,025,396 - 3,766,025,499	103

**Transaction Status History**

Status Date	Status Code
04/07/2025 08:52:12 (AEST)	Completed (4)
03/07/2025 22:52:12 (GMT)	Proposed (1)
04/07/2025 08:52:12 (AEST)	Account Holder Approved (97)
03/07/2025 22:52:12 (GMT)	Awaiting Account Holder Approval (95)

**Australian National Registry of Emissions Units**

Transaction Details

Transaction details appear below.

**Transaction Successfully Approved**

Transaction ID: AU4251  
 Current Status: Completed (4)  
 Status Date: 04/07/2025 08:57:28 (AEST)  
 03/07/2025 22:57:28 (GMT)  
 Transaction Type: Cancellation (4)  
 Transaction Initiator: Cayzer, Nicholas  
 Transaction Approver: Cayzer, Nicholas  
 Comment: Voluntary retirement on behalf of Milikon Pty Ltd as trustee for the Fabon Management Trust, (trading as Earth Sanctuary World Nature Centre)

**Transferring Account**

Account Number: AU-5287  
 Account Name: GAA INVESTMENTS (AUST) PTY LTD  
 Account Holder: GAA INVESTMENTS (AUST) PTY LTD

**Acquiring Account**

Account Number: AU-1060  
 Account Name: Australia Voluntary Cancellation Account  
 Account Holder: Commonwealth of Australia

Facility	Type	Transaction Type	Original CP	Current CP	ERF Project ID	NGER Facility ID	NGER Facility Name	Sequenced	Kyoto Project #	Yintest	Expiry Date	Serial Range	Quantity
AU	KACCU	Voluntary ACCU Cancellation			EDF1003C						2021-22	8,336,090,020 - 8,336,090,059	30

**Transaction Status History**

Status Date	Status Code
04/07/2025 08:57:28 (AEST)	Completed (4)
03/07/2025 22:57:28 (GMT)	Proposed (1)
04/07/2025 08:57:28 (AEST)	Account Holder Approved (97)
03/07/2025 22:57:28 (GMT)	Awaiting Account Holder Approval (95)

## 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 <sub>2</sub> -e)	Renewable percentage of total
Behind the meter consumption of electricity generated	1,199	0	0%
<b>Total non-grid electricity</b>	<b>1,199</b>	<b>0</b>	<b>0%</b>
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)	2,246	0	17%
Residual Electricity	9,908	9,017	0%
<b>Total renewable electricity (grid + non grid)</b>	<b>3,445</b>	<b>0</b>	<b>26%</b>
<b>Total grid electricity</b>	<b>12,155</b>	<b>9,017</b>	<b>17%</b>
<b>Total electricity (grid + non grid)</b>	<b>13,354</b>	<b>9,017</b>	<b>26%</b>
Percentage of residual electricity consumption under operational control	100%		
<b>Residual electricity consumption under operational control</b>	<b>9,908</b>	<b>9,017</b>	
Scope 2	8,820	8,026	
Scope 3 (includes T&D emissions from consumption under operational control)	1,089	991	
<b>Residual electricity consumption not under operational control</b>	<b>0</b>	<b>0</b>	
Scope 3	0	0	

<b>Total renewables (grid and non-grid)</b>	<b>25.80%</b>
<b>Mandatory</b>	<b>16.82%</b>
<b>Voluntary</b>	<b>0.00%</b>
<b>Behind the meter</b>	<b>8.98%</b>
<b>Residual scope 2 emissions (t CO<sub>2</sub>-e)</b>	<b>8.03</b>
<b>Residual scope 3 emissions (t CO<sub>2</sub>-e)</b>	<b>0.99</b>
<b>Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>8.03</b>
<b>Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>0.99</b>
<b>Total emissions liability (t CO<sub>2</sub>-e)</b>	<b>9.02</b>
<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) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	100%	(kWh)	Scope 2 Emissions (kgCO <sub>2</sub> -e)	Scope 3 Emissions (kgCO <sub>2</sub> -e)	(kWh)	Scope 3 Emissions (kgCO <sub>2</sub> -e)
NT	12,155	12,155	6,563	851	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>12,155</b>	<b>12,155</b>	<b>6,563</b>	<b>851</b>	<b>0</b>	<b>0</b>
NT	1,199	1,199	0	0		
<b>Non-grid electricity (behind the meter)</b>	<b>1,199</b>	<b>1,199</b>	<b>0</b>	<b>0</b>		
<b>Total electricity (grid + non grid)</b>	<b>13,354</b>					

<b>Residual scope 2 emissions (t CO<sub>2</sub>-e)</b>	<b>6.56</b>
<b>Residual scope 3 emissions (t CO<sub>2</sub>-e)</b>	<b>0.85</b>
<b>Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>6.56</b>
<b>Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>0.85</b>
<b>Total emissions liability</b>	<b>7.41</b>

### 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 <sub>2</sub> -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 <sub>2</sub> -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

### 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

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 organisation.

## Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Emissions associated with visitors travel to and from the centre.	Y	N	N	N	N	<p><b>Size:</b> The emissions source is likely to be large compared to the total emissions from electricity, stationary energy and fuel emissions.</p> <p><b>Influence:</b> We do not have the potential to significantly influence the emissions from this source</p> <p><b>Risk:</b> e.g., 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><b>Stakeholders:</b> Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business.</p> <p><b>Outsourcing:</b> We have not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.</p>



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