PUBLIC DISCLOSURE STATEMENT

WESTERN SYDNEY UNIVERSITY

ORGANISATION CERTIFICATION

CY2024

Australian Government

Climate Active
Public Disclosure Statement

WESTERN SYDNEY UNIVERSITY

An Australian Government Initiative

Climate Active

NAME OF CERTIFIED ENTITY	Western Sydney University
REPORTING PERIOD	1 January 2024 – 31 December 2024 Arrears report
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.*  Dr Roger Attwater Director Environmental Sustainability 15 January 2026

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

Version 9.1.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	58,131 tCO_2-e
CARBON OFFSETS USED	4% ACCUs; 96% VCUs
RENEWABLE ELECTRICITY	100%
CARBON ACCOUNT	Prepared by: Ironbark Sustainability
TECHNICAL ASSESSMENT	9/05/2025 Ironbark Sustainability Next technical assessment due: CY 2027 report

Contents

2. CERTIFICATION INFORMATION

Description of organisation certification

This organisation certification is for the Australian business operations of Western Sydney University, ABN 53 014 069 881.

This Public Disclosure Statement includes information for the CY2024 reporting period and includes an overview of Western Sydney University's GHG emissions boundary, carbon footprint as well as the GHG emissions reduction strategy.

Western Sydney University (WSU) is wholly owned and operated by one legal entity (ABN 53 014 069 881), and the organisational boundary encompasses assets under the operational control of the organisation.

The following subsidiaries are also included within this certification:

Legal entity name	ABN	ACN
Western Sydney University Enterprises Pty Limited	44 003 474 468	
Western Sydney University Early Learning Ltd	39 155 993 445	
Whitlam Institute Within Western Sydney University	50 100 342 309	

These subsidiaries have been included in the organisational boundary since the CY2022 certification, as they roll up into Western Sydney University's accounts and are not reported separately in any financial data.

Finally, while Western Sydney University has international operations, it does not have operational control over its international campuses and, as such, they are excluded from the emissions boundary.

This Public Disclosure Statement includes information for CY2024 reporting period.

Organisation description

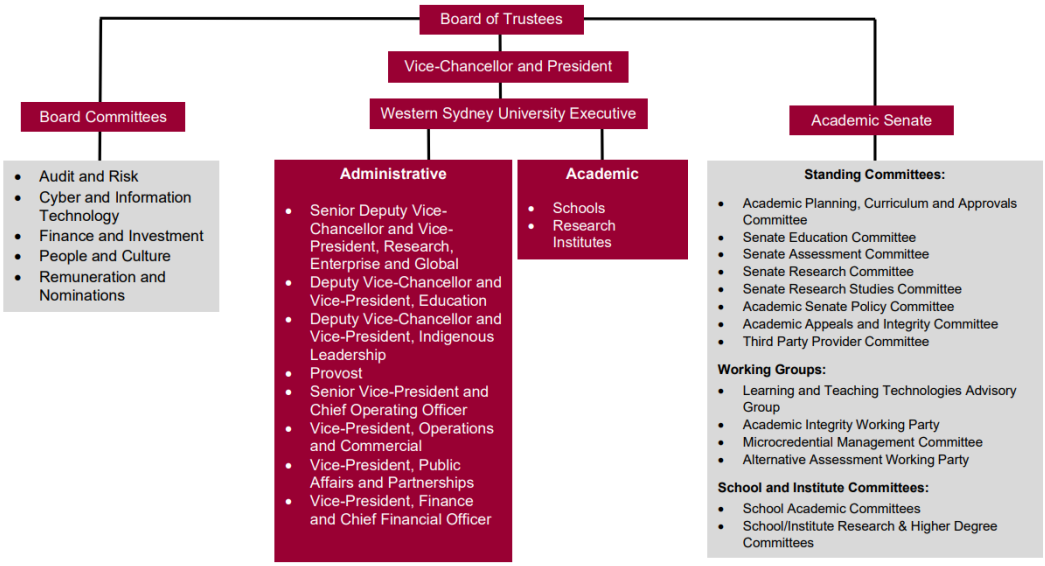
The University of Western Sydney (ABN 53 014 069 881) began operation on 1st January 1989 under the terms of the University of Western Sydney Act, 1997 (now known as Western Sydney University Act). On 30 August 2015, the University of Western Sydney underwent a rebranding which resulted in a change in name to Western Sydney University. The certification also covers the following subsidiaries of Western Sydney University: Western Sydney University Enterprises Pty Limited (ABN 44 003 474 468), Western Sydney University Early Learning Ltd (ABN 39 155 993 445), and the Whitlam Institute Within Western Sydney University (ABN 50 100 342 309).

From the beginning of 2001, the University operated as a single multi-campus university rather than as a federation. In CY2024 it had 14 facilities in the following locations in Australia:

- Bankstown (WSU owned)
- Bankstown City (WSU is a lessee)
- Bathurst (WSU is a lessee)
- Blacktown, including Nirimba campus (WSU owned) and Blacktown Clinical School (WSU is a lessee)
- Campbelltown, including Macarthur Clinical School site (WSU is a lessee) and Campbelltown campus (WSU owned)
- Hawkesbury (WSU owned)
- Homebush (WSU is a lessee)
- Lismore (WSU is a lessee)
- Lithgow (WSU is a lessee)
- Liverpool, including Fairfield site (WSU is a lessee), Liverpool City campus (WSU is a lessee) and Whitlam House (WSU owned)
- Paramatta, including Parramatta North campus (WSU owned), Parramatta South campus (WSU owned) and George St Sydney site (WSU is a lessee)
- Paramatta City, including Peter Shergold Building (WSU is a lessee) and Parramatta Engineering Innovation Hub (WSU is a lessee)
- Penrith, including Kingswood campus, Werrington North site, Werrington South site (all WSU owned)
- Westmead, including Westmead campus (WSU owned) and Westmead Innovation Quarter campus (WSU is a lessee)

These 14 facilities were consistent with the facility names used for reporting under the NGER Scheme and the Climate Active Program, as shown in the illustration below. An additional 15th facility was included in the NGER report, designated as ‘WSU Fleet Fuel’, which under the Climate Active Program has been included as part of the overall organisation.

Additionally, the detailed governance structure of WSU is presented in the following diagram:



Last updated 7 January 2025

The operational control approach was used to define the boundary for this inventory. While Western Sydney University has international operations, it does not have operational control over its international campuses. Consequently, these campuses have been excluded from the emissions boundary.

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
- Construction materials and services
- Electricity
- Food
- Horticulture and agriculture
- ICT services and equipment
- Machinery and Vehicles
- Office equipment and supplies
- Postage, courier, and freight
- Products
- Professional services
- Refrigerants
- Stationary energy (gaseous fuels)
- Stationary energy (liquid fuels)
- Transport (air)
- Transport (land and sea)
- Waste
- Water
- Working from home

Non-quantified

Inter-campus travel

Sulphur Hexafluoride (SF6)

Sheep

Optionally included

N/A

Outside emission boundary

Excluded

Investments

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Western Sydney University's commitment to Sustainability is incorporated as a key principle within its strategic plan *Sustaining Success 2021-2026*. The strategy reinforces the need to incorporate sustainability throughout all University activities, including teaching, research and operations. In addition, it commits to the following targets:

- to adopt energy renewables in campus operations and advance towards carbon neutrality 2030, and
- achieve a target of 100% energy renewables in campus operations 2026

The strategy aligns with WSU joining the United Nations-led 'Race to Zero for Universities and Colleges' and the pledge to fast-track carbon neutrality targets to address climate change. As part of this, ambitious new targets were set:

- Carbon Neutral 2023 (achieved), and
- Climate Positive 2029.

WSU has also outlined targets and goals for emissions reductions relating to energy consumption and onsite solar generation (Scope 1 and 2) and supply chain management (Scope 3). These include:

- Increase solar generation by >500kW additional generating capacity per annum
- 100% renewables in all campus electricity supply by 2022 (has been achieved)
- Reduce the number of gas powered hot water units by 25% per annum between 2022-2026, by replacing with solar or heat pump hot water services.
- 30% reduction in emissions from all supply chain categories from the baseline year of 2021 by 2030

In April 2023, Western Sydney University was certified Carbon Neutral by Climate Active for its Australian business operations in 2022 and certification has been maintained since then.

Professional services make up about 39% of WSU's total emissions. The main contributors are business services (19.42%) and building and facility maintenance and repair services (11.42%). This increase reflects construction of a new medical research facility, a post-COVID maintenance backlog, several weather-related repairs, and increased international activity linked to new campuses.

The University's current emissions reduction program will help reduce these sources over time. Key actions include:

- Increasing on-site solar generation and continuing to purchase 100% renewable electricity
- Replacing gas hot water systems with solar and heat pump units, supported by the University's developing 'Electrification Roadmap'
- Maintaining and expanding Green Star buildings to improve efficiency and reduce maintenance-related emissions

- Reducing emissions across supply chain categories through ethical and low-carbon procurement, including work with the SVC Leadership Accelerator
- Supporting lower-emissions travel through fleet reductions, more EV charging, and improved public transport access via the light rail

These actions sit within the broader sustainability strategy, which includes carbon neutral certification, climate positive targets for 2029, and the development of the upcoming Unlimited 2030 plan.

Overall, the emissions reduction actions currently planned or underway are outlined in the table below.

Scope	Action	Year
1	Reduce size of vehicle fleet, for example by reducing the number of pool cars	2025 and ongoing
	Encourage staff and students to travel by public transport, leveraging the newly built light rail station at Parramatta South and Westmead campuses	2025 and ongoing
	Integrate electric charging stations into solar car parks, so they can be charged by on-site renewables	2025 and ongoing
	Installation of EV charging stations and planning of infrastructure to support an electric vehicle fleet.	Ongoing
	Develop a fleet strategy	2026
	Develop a detailed Getting Off Gas Roadmap to electrify all campuses	2025
	Continue to replace gas hot water systems with solar or electric heat pump hot water systems	Ongoing
2	Continue to purchase 100% renewable electricity	Ongoing
	Continue installing car park and rooftop solar	Ongoing
3	Promote emissions reduction throughout the supply chain	Ongoing
	Build on WSU's work with SVC Leadership Accelerator – Engaging the Value Chain. including development of an ethical procurement that incorporates carbon emission reduction.	Ongoing
	Maintain the number of Green Star accredited buildings and precincts, which are energy efficient and increasingly low carbon, and continue to look at Green Star opportunities.	Ongoing
All scopes	Develop a new strategic plan, Unlimited 2030, including climate actions and a commitment to ongoing carbon neutral certification	2025

While WSU remains committed to reducing its emissions, there was an increase in emissions for CY2024. This is primarily because:

- Construction of a new medical research facility commenced (increasing emissions from non-residential building construction and interior finishing)
- There was a backlog in maintenance resulting from Covid pandemic campus closures (increasing emissions from building and facility maintenance and repair services)
- There were several adverse weather events (increasing emissions from building and facility maintenance and repair services)
- WSU opened a new overseas campus and are negotiating another in Asia (impacting on travel emissions)

Website references:

Strategy and targets

- *Western Sydney University Strategic Plan: Sustaining Success 2021-2026*
  https://www.westernsydney.edu.au/__data/assets/pdf_file/0005/1819895/OVCH_5133_Sustaining_Succes s_2021-2026-_Booklet_web_AC.pdf
- *Vice Chancellor's "Race to Zero" pledge*
  https://www.westernsydney.edu.au/newscentre/news_centre/story_archive/2021/western_sydney_university_joins_race_to_zero_pledge_for_climate_action
- *Race to Zero Status Report 2024*
  https://www.westernsydney.edu.au/newscentre/news_centre/story_archive/2021/western_sydney_university_joins_race_to_zero_pledge_for_climate_action
- *Carbon Transition Paper*
  https://www.westernsydney.edu.au/__data/assets/pdf_file/0011/2007578/Carbon_Transition_Paper_-_Revised_Sep_2024.pdf
- *Sustainability and Resilience 2030*
  https://www.westernsydney.edu.au/__data/assets/pdf_file/0011/1838252/SR_DECADAL_STRATEGY_FIN ALWEB.pdf
- *Western's commitment to the SDGs*
  https://www.westernsydney.edu.au/driving_sustainability/sustainability_education/curriculum/sdg_2030
- *Environmental sustainability: commitment*
  https://www.westernsydney.edu.au/environmental_sustainability/home/action_plan/policy_and_commitment
- *Resilience and Climate Change theme (Environmental Sustainability Action Plan)*
  https://www.westernsydney.edu.au/environmental_sustainability/home/action_plan/Resilience_Climate

Energy consumption and on-site solar generation (Scope 1 and 2)

- *Sustainable energy theme (Environmental Sustainability Action Plan)*
  https://www.westernsydney.edu.au/environmental_sustainability/home/action_plan/sustainable_energy

Green Star accredited buildings and precinct planning (Scope 3)

- *Green Star Buildings & Precincts (Environmental Sustainability Action Plan)*
  https://www.westernsydney.edu.au/environmental_sustainability/home/action_plan/green_star_buildings_and_precincts

Supply chain management (Scope 3)

- *Environmental Sustainability Action Plan*
  https://www.westernsydney.edu.au/environmental_sustainability/home/action_plan

Data management

- *Environmental Performance Pages*
  https://westernsydney.edu.au/environmental_sustainability/home/environmental_performance

Emissions reduction actions

The emissions reductions activities in 2024 focused on energy reduction through:

- GreenPower Purchase (2022) continuing for CY2024
  WSU's small scale grid contract was established for the supply of GreenPower in 2022 and remained current during CY2024.

- GreenPower (2021 to 2024) & TrueGreen Renewable Energy (2024)
  While WSU purchased GreenPower certified electricity for its large-scale grid since July 2021, the contract transitioned to Snowy Mountain Hydro's TrueGreen renewable energy matched with Large-Scale Generation Certificates, in October 2024 (this represents 98% of total electricity purchased).

- Additional solar on-site generation and consumption
  WSU progressively installed three additional solar carpark structures February through May 2024, contributing an additional 314,896 kWh of solar generation for part of the year. This helped increase total on-site solar generation to 1,265,621 kWh in 2024 — a 14% rise from 1,107,776 kWh in 2023. All solar energy generated by WSU facilities is consumed on site, with the carparks also providing valuable shade and cooling.

- Electrical Vehicles
  EV chargers were relocated into the new solar carpark structures and now operate using renewable energy, including on-site solar generation.

- Fuel Switching
  WSU commenced changing domestic hot water systems from gas to electricity in December 2024, on the Hawkesbury campus. 92% of these units were switched however, the emissions reduction impact will not be realised until the CY2025 reporting period.

- Supply Chain
  WSU commenced reviewing supply chain emissions through participation in the NSW Government's Sustainability Advantage program – *SVC Leadership Accelerator – Engaging the Value Chain.* The purpose of this program was to provide the foundation for the development of an ethical procurement framework, including carbon emission reduction. WSU is committed to reducing emissions in all supply chain categories, including those relating to:

    - Waste and recycling
    - Water supply
    - Facilities operation and energy efficiency
    - Building construction, fit out and refurbishment
    - Business services and office consumables
    - Waste streams and food services
    - Staff and student travel (business travel, intercampus travel and commuting), noting that intercampus and student travel was excluded from the 2021 baseline.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e (without uplift)	**Total tCO_2-e** (with uplift)
Base Year	CY2021 (*projection for CY2022)	58,026	58,146
Year 1:	CY2022 (true-up)	47,529[1]	N/A
Year 2:	CY2023	53,736	N/A
Year 3:	CY2024	58,131[2]	N/A

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**
Non-residential building construction and interior finishing	5,341.56	7,659.36	Construction of new medical research facility commenced
Building and facility maintenance and repair services (incl. trades, body corporate and strata)	4,527.69	6,640.19	In response to campus closures during the COVID-19 pandemic and significant weather-related damage in 2024, the University has prioritised investment in backlog maintenance and critical infrastructure repairs.

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

Certified brand name	Product/Service/Building/Precinct used
Anthesis Australia (formerly Ndevr Environmental)	Professional Services (Business Services)

[1] A rounding error occurred in the CY22 PDS. An extra offset has been retired in this reporting period to correct this.
[2] A rounding error occurred in the CY22 PDS. An extra offset has been retired in this reporting period to correct this.

Emissions summary

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

Emission category	Scope 1 emissions (tCO2-e)	Scope 2 emissions (tCO2-e)	Scope 3 emissions (tCO2-e)	Total emissions (t CO2-e)
Accommodation and facilities	0.00	0.00	173.23	173.23
Cleaning and chemicals	0.00	0.00	828.67	828.67
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Construction materials and services	0.00	0.00	9,509.07	9,509.07
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	624.21	624.21
Horticulture and agriculture	698.57	0.00	11.08	709.65
ICT services and equipment	0.00	0.00	5,371.99	5,371.99
Machinery and vehicles	0.00	0.00	1,049.52	1,049.52
Office equipment and supplies	0.00	0.00	1,700.03	1,700.03
Postage, courier and freight	0.00	0.00	85.71	85.71
Products	0.00	0.00	197.00	197.00
Professional services	0.00	0.00	22,735.21	22,735.21
Refrigerants	918.61	0.00	0.00	918.61
Stationary energy (gaseous fuels)	2,583.81	0.00	684.90	3268.71
Stationary energy (liquid fuels)	202.07	0.00	50.29	252.36
Transport (air)	0.00	0.00	6,192.08	6,192.08
Transport (land and sea)	77.42	0.00	2,860.47	2,937.89
Waste	16.72	0.00	502.66	519.38
Water	0.00	0.00	703.14	703.14
Working from home	0.00	0.00	353.40	353.40
Grand Total	**4,497.18**	**0.00**	**53,632.64**	**58,129.83**

Uplift factors

N/A

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)	2,500	4.30%
Verified Carbon Units (VCUs)	55,631	95.70%

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
Turpentine Carbon Project	ACCU	ANREU	30/04/2025	8,371,059,420 - 8,371,061,919	2022-23	2500	0	0	2500	4.30%
Hong Phong 4 Solar 48 Mw Project	VCU	Verra Registry	30/04/2025	17998-869416481-869428980-VCS-VCU-1289-VER-VN-1-1975-01022023-31122023-0	2023	12500	0	0	12500	21.50%
210 MW Musi Hydro Power Plant, Bengkulu	VCU	Verra Registry	30/04/2025	18022-869742833-869777832-VCS-VCU-262-VER-ID-1-487-01012019-31122019-0	2019	35000	0	6777	28223[3]	48.55%
210 MW Musi Hydro Power Plant, Bengkulu	VCU	Verra Registry	16/04/2024	15837-721418323-721473447-VCS-VCU-262-VER-ID-1-487-01012018-31122018-0	2018	55125	40217	0	14908	25.65%

[3] A rounding error occurred in the CY22 PDS. An extra offset has been retired in this reporting period to correct this.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

The following RECs have been surrendered to reduce electricity emissions under the market-based reporting method.

1. Large-scale Generation certificates (LGCs)*	10,362

* LGCs in this table only include those surrendered voluntarily (including through PPA arrangements) and does not include those surrendered in relation to the LRET, GreenPower, and jurisdictional renewables.

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
Dundonnell Wind Farm - VIC	VIC, Australia	LGC	REC Registry	7 Mar 2025	WD00VC37	856060-856182	2024	Wind	123
Dundonnell Wind Farm - VIC	VIC, Australia	LGC	REC Registry	7 Mar 2025	WD00VC37	660725-670189	2024	Wind	9465
Dundonnell Wind Farm - VIC	VIC, Australia	LGC	REC Registry	7 Mar 2025	WD00VC37	560661-561434	2024	Wind	774
								Total LGCs surrendered this report and used in this report	**10,362**

Red Energy Pty Ltd - ABN 60 107 479 372

570 Church Street
Cremorne, VIC 3121
T 131 806
F 1300 66 10 86
E info@redenergy.com.au
W redenergy.com.au

Screenshot of certificate surrender from Renewable Energy Certificate Registry

The Clean Energy Regulator has accepted the following voluntary surrender offer:

Account: Red Energy Pty. Limited

Offer ID: 10750

Surrender type: Voluntary

Number of certificates: 10,362 LGC(s)

Date of offer: 27/02/2025

Date of acceptance: 07/03/2025

Reason for voluntary surrender: Altruistic purposes

Surrender note: 10,362 certificates surrendered voluntarily on behalf of WSU (Oct24-Dec24) sourced from Dundonnell Wind Farm - VIC

Clean Energy Regulator note: Accepted.

Certificates:

Accreditation code	Fuel source	Generation year	Creation year	Generator name	Generation state	Serial number range	Certificate quantity
WD00VC37	Wind	2024	2024	Dundonnell Wind Farm - VIC	VIC	856060-856182	123
WD00VC37	Wind	2024	2024	Dundonnell Wind Farm - VIC	VIC	660725-670189	9465
WD00VC37	Wind	2024	2024	Dundonnell Wind Farm - VIC	VIC	560661-561434	774

These certificates have been accepted for voluntary surrender and permanently removed from the market under section 28A of the Renewable Energy (Electricity) Act 2000.

APPENDIX A: ADDITIONAL INFORMATION

Transaction ID	AU41051
Current Status	Completed (4)
Status Date	30/04/2025 16:09:35 (AEST) 30/04/2025 06:09:35 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Nathalia, Griselda
Transaction Approver	Doan-Lockyer, Jenny
Comment	

Retired on behalf of Western Sydney University to satisfy their Climate Active Carbon Neutral Organisation requirements for the 1 January 2024 to 31 December 2024 reporting period.

Transferring Account

Account Number	AU-2977
Account Name	South Pole Australia Financial Services Pty Ltd
Account Holder	South Pole Australia Financial Services 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			ERF102074					2022-23		8,371,059,420 - 8,371,061,919	2,500

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 **market-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	1,265,621	0	3%
Total non-grid electricity	**1,265,621**	**0**	**3%**
LGC purchased and retired (kWh) (including PPAs)	10,362,000	0	21%
GreenPower	35,890,471	0	73%
Climate Active certified - Precinct/Building (voluntary renewables)	0	0	0%
Climate Active certified - Precinct/Building (LRET)	0	0	0%
Climate Active certified - Precinct/Building jurisdictional renewables (LGCs surrendered)	0	0	0%
Climate Active certified - Electricity products (voluntary renewables)	0	0	0%
Climate Active certified - Electricity products (LRET)	0	0	0%
Climate Active certified - 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)	8,849,241	0	18%
Residual electricity	-7,216,207	-6,566,749	0%
Total renewable electricity (grid + non grid)	**56,367,333**	**0**	**115%**
Total grid electricity	**47,885,505**	**0**	**112%**
Total electricity (grid + non grid)	**49,151,126**	**0**	**115%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**-7,216,207**	**-6,566,749**	
Scope 2	-6,423,218	-5,845,128	
Scope 3 (includes T&D emissions from consumption under operational control)	-792,990	-721,621	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	

Total renewables (grid and non-grid)	**114.68%**
Mandatory	**18.00%**
Voluntary	**94.10%**
Behind the meter	**2.57%**
Residual scope 2 emissions (t CO_2-e)	**-5,845.13**
Residual scope 3 emissions (t CO_2-e)	**-721.62**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Total emissions liability (t CO_2-e)	**0.00**

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	47,885,505	47,885,505	32,562,143	2,394,275	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	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	**47,885,505**	**47,885,505**	**32,562,143**	**2,394,275**	**0**	**0**
ACT	0	0	0	0		
NSW	1,265,621	1,265,621	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)	**1,265,621**	**1,265,621**	**0**	**0**		
Total electricity (grid + non grid)	**49,151,126**					

Residual scope 2 emissions (t CO_2-e)	**32,562.14**
Residual scope 3 emissions (t CO_2-e)	**2,394.28**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**32,562.14**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**2,394.28**
Total emissions liability (t CO_2-e)	**34,956.42**

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
Inter-campus travel	Immaterial
Sulphur Hexafluoride (SF6)	Immaterial
Sheep	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
Investments	Y	N	N	N	N	**Size:** The emissions source is material compared to the total emissions from electricity, stationary energy, and fuel emissions. **Influence**: We do not have the potential to influence the emissions from this source, including by shifting to a different lower-emissions supplier for our business. **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. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business. **Outsourcing:** We have not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.

An Australian Government Initiative

Climate Active