



PUBLIC DISCLOSURE STATEMENT

ENERGETICS PTY LTD

**SERVICE CERTIFICATION
FY2023-24**

Australian Government

Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Energetics Pty Ltd
REPORTING PERIOD	1 July 2023 – 30 June 2024 Arrears report
DECLARATION	<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>  Dr Mary Stewart CEO 20/12/2024



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

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Version 9.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	667 tCO ₂ -e
CARBON OFFSETS USED	29.5% ACCUs, 70.5% VERs
RENEWABLE ELECTRICITY	100%
CARBON ACCOUNT	Prepared by: Energetics Pty Ltd
TECHNICAL ASSESSMENT	18/12/2024 Organisation and Services Next technical assessment due: 31/10/2027

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2.CERTIFICATION INFORMATION

Description of certification

This carbon neutral certification is for the business operations of Energetics PTY LTD (ABN 67 001 204 039) (Energetics hereafter).

Energetics takes a comprehensive approach to its carbon neutral commitment. We have included all of our offices across Australia, as well as our entire supply chain. The footprint covers both our organisation and the services we provide. By including our entire supply chain within the organisation's footprint boundary, we effectively end up with identical footprints for the organisation and our services.

Energetics' inventory has been prepared based on the "Climate Active Standard for Organisations", "Climate Active Standard for Products and Services" and the "Greenhouse Gas Protocol - A Corporate Accounting and Reporting Standard"¹.

Where available, the inventory covers all six greenhouse gases listed under the Kyoto Protocol:

- Carbon dioxide (CO₂)
- Methane (CH₄)
- Nitrous oxide (N₂O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulphur hexafluoride (SF₆).

Service description

The functional unit for the services certification is "all consulting services provided by Energetics during the course of one year". Our certification provides full coverage of our services. The service process diagram in the following section shows the cradle-to-gate life cycle stages associated with our certification. We believe downstream emissions have very limited applicability to the services we provide, as we don't sell physical products that would require transportation, processing, use or end-of-life treatment

¹ Published by: World Resources Institute and World Business Council for Sustainable Development, March 2004

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 ‘attributable processes’ of a product or service. These attributable processes are services, materials and energy flows that become the product or service, make the product or service and carry the product or service through its life cycle. These attributable emissions have been quantified in the carbon inventory.

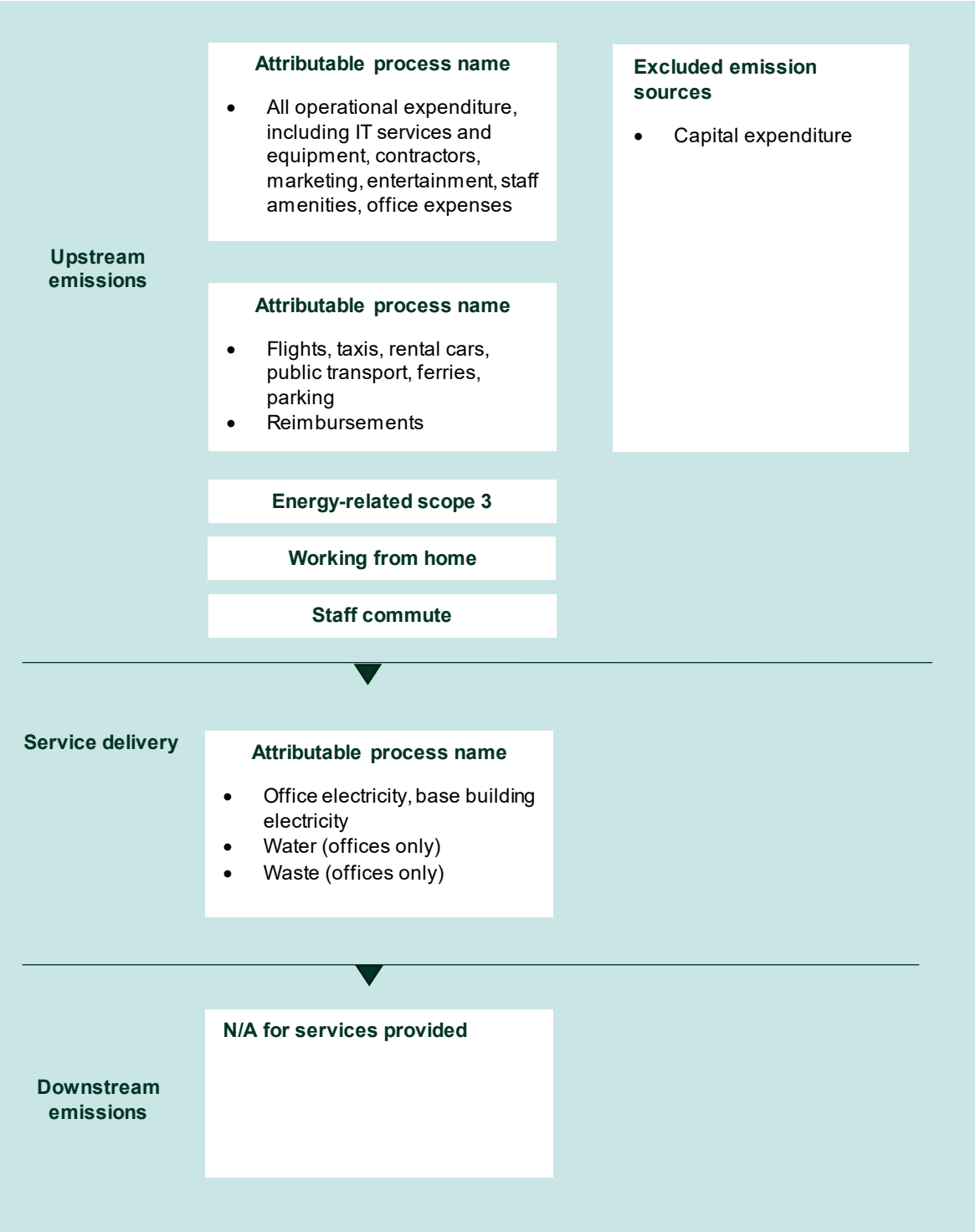
Non-quantified emissions have been assessed as attributable and are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

Outside the emissions boundary

Non-attributable emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim). Further detail is available at Appendix D.

Inside emissions boundary		Outside emission boundary
<u>Quantified</u>	<u>Non-quantified</u>	<u>Non-attributable</u>
Operational expenditure – (sub-) contractors, marketing, IT services, entertainment, staff amenities, office expenses Accommodation Food Professional Services Business travel – flights, taxis, rental cars, public transport, ferries, parking, reimbursement Base building energy Purchased electricity Waste to landfill Waste to recycling Water and wastewater Energy-related scope 3 Working from home Staff commute	N/A	<i>Capital expenditure</i>
	<u>Optionally included</u>	
	N/A	

Product / Service process diagram



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Energetics has always aspired to have a positive impact on the environment. We are committed to reducing the carbon footprint of our standard business activities, and reducing the broader impact that we have on the environment.

In 2019 we became a 'Climate Active' certified organisation and in 2020 we added our services to our Climate Active certification. In 2021 we achieved a significant milestone when our science-based target (SBT) was verified by the global Science Based Targets initiative (SBTi) under their SME programme². Since signing up to SBTi we have purchased only renewable energy through Greenpower; we no longer incur scope 2 emissions.

Energetics' carbon footprint is dominated by scope 3 emissions which make up over 90% of our footprint. The major contributor to these emissions is the purchase of goods and services. Other material sources are our base building and office energy consumption, as well as business travel and commuting.

Emissions reduction actions

In keeping with Energetics' Sustainability Policy, we drive continuous improvement by identifying and implementing emissions reduction, sustainable procurement and behavioural change projects.

Purchase of goods and services

As part of a precautionary approach to developing our inventory, we choose to apply a broad range of emissions sources (for example by including emissions from our banking and legal advisors). As a result, a significant part of our inventory is directly related to business expenditure. Other than reducing business expenditure, there are no immediately clear actions available to directly reduce the associated emissions. As more businesses seek Climate Active certification, Energetics may be able to benefit from reduced emissions through the purchase of Climate Active certified carbon neutral products and services. Further, as the grid decarbonises these scope 3 emissions will reduce as at least 50% of them are from electricity.

Base building energy consumption

Our Perth base building has improved energy efficiency through a structured retrofit program. It currently has a 4 star energy rating and 4.5 star water rating.

Office energy consumption

- All tenancies have energy-efficient appliances, including LED lighting throughout.
- The offices in Brisbane and Sydney, which is Energetics' largest office, have motion sensor lighting to reduce electricity consumption when possible.

² Available on: <https://www.energetics.com.au/about-us/sustainability/our-environment>.

Waste management

Energetics has minimised requirements to print paper becoming almost paperless across our offices. If a client specifies that a document needs to be printed (e.g., contracts), Energetics will attend to the request, but we are working on alternatives that would meet our clients' needs. We are actively refining waste management in our offices and seek out preferred end of life options for up to five waste streams in each office. We lease our phone and computers.

Business travel/hybrid work

COVID-19 lockdown restrictions limited business travel which has historically been one of our largest emissions sources. Robust webinar and teleconferencing infrastructure had been rolled out across the business; it will remain as a feature of the consulting landscape going forward.

Post lockdown, the hybrid workplace at Energetics has continued with employees balancing work from home with work from our offices, with employees working from the office 2-3 days per week.

Energetics has also made SimbleHome available to our staff by paying half of the cost of the smart meter and associated app. SimbleHome helps people to manage their own energy consumption at home by making information available in an easy-to-use app and by installing smart meters.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO ₂ -e	Emissions intensity of the functional unit
Base year:	2017–18	833	833
Year 1:	2018–19	826	826
Year 2:	2019–20	945	945
Year 3:	2020–21	589	589
Year 4:	2021–22	842	842
Year 5:	2022–23	713.234 ³	713.238
Year 6:	2023-24	667	667

Energetics defines the functional unit as “all consulting services provided in one year”. Given that boundaries have been defined to be exhaustive the Energetics Organisation inventory is equivalent to the Energetics Service inventory.

Significant changes in emissions

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Legal services	14	81	Increase in expenditure due to acquisition of Energetics by ERM.

Use of Climate Active carbon neutral products and services

Certified brand name	Product or Service used
N/A	N/A

Service emissions summary

Stage / Attributable Process / Source	tCO ₂ -e
Upstream emissions	496
Service delivery	171
Downstream emissions	0
Total	667

Emissions intensity per functional unit (including any uplifts required)	667
Number of functional units to be offset (certified)	1
Total emissions to be offset (certified)	667

³ We used an inventory of 714 tCO₂-e in the previous FY23 report, we have only included the decimal points in these values to indicate the difference before and after the application of uplift.

6. CARBON OFFSETS

Eligible offsets retirement summary

Please note that the offsets have been bought for emissions that cover the whole organisation and its services. The same details are provided in the PDS for the Organisation.

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)	197	29.5%
Verified Emissions Reductions (VERs)	470	70.5%

Given that boundaries have been defined to be exhaustive the Energetics Organisation inventory is equivalent to the Energetics Service inventory.

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
Jawoyn Fire Project	ACCU	ANREU	20/12/2024	SN 9003783702 - 9003783898	2024	197	0	0	197	29.54%
Energy Efficient Stoves – CPA3	VER	Gold Standard Impact Registry	20/12/2024	GS1-1-ET-GS11149-162021-24614-26747-35258	2021	470	0	0	470	70.46%

Co-benefits

Our offsets are from two projects:

1. ACCUs are from a savanna burning project located in the Northern Territory. The Aboriginal-run project reduces wildfires through strategic, controlled savanna burning. Aboriginal Jawoyn Rangers manage the Jawoyn estate across the Katherine, Kakadu and Roper regions in the Northern Territory, Australia. Rangers use the same techniques as their ancestors of burning areas in the early dry season to reduce wildfires and refresh country. In addition, the latest technologies are also employed for strategic fire management. This includes conducting aerial and on-ground burning to prevent late season wildfires and reduce overall carbon emissions and using satellite technology to track progress and observe important changes from space.

The project protects significant fire-sensitive ecosystems and many threatened species. It also delivers significant social, cultural and economic benefits for Indigenous Australians such as employment, enhancing connection to country and protecting important cultural sites.

This project aligns with SDG 1 – No poverty, SDG 3 – Good health and well-being, and SDG 5 – Gender equality, SDG 8 – Decent work and economic growth, SDG 11 – Sustainable cities and communities, SDG 13– Climate action, SDG 15– Life on land and SDG 17– Partnerships for the goals.

2. VERs are sourced from Ethiopia for low emissions cookstoves projects. The majority of the rural Ethiopian population cook using heavily polluting open fires. This results in health consequences like respiratory illness; the most material health burden is typically imposed on women and children who are responsible for preparing meals. World Health Organisation (WHO) research shows that household air pollution was responsible for an estimated 3.2 million deaths globally in 2020. These projects distribute low cost, highly efficient cookstoves. In addition to health benefits, these cookstoves use considerably less wood than open fires. The increasing energy needs of growing populations in Ethiopia has contributed to advanced forest loss. Forests that originally covered 90 percent of the highlands have been reduced to less than 3 percent; reinforcing the need for more sustainable energy solutions to prevent further forest loss and degradation.

This project aligns with SDG 7 – Affordable and clean energy, SDG 8 – Decent work and Economic growth and SDG 13 – Climate action.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A - LGCs have been surrendered on behalf of Energetics as part of the GreenPower™ program. In line with Climate Active's provision, Energetics is not required to populate this section.

APPENDIX A: ADDITIONAL INFORMATION

Please refer to the information on purchased offsets below and the attachment to this submission.

Image 1: ACCUs retired through the savanna burning project in NT (197 tCO₂e)



Australian National Registry of Emissions Units

ANRE U Home

Account Holders

Accounts

Unit Position Summary

Projects

Transaction Log

CER Notifications

Public Reports

My Profile

Transaction Details

Transaction details appear below:

Transaction ID

AU38348

Current Status

Completed (4)

Status Date

20/12/2024 11:47:58 (AEDT)
20/12/2024 00:47:58 (GMT)

Transaction Type

Cancellation (4)

Transaction Initiator

Chandra, Kisile

Transaction Approver

Gurney, Annabelle

Comment

Relied on behalf of Energetics for FY24 service and company emissions under Climate Active.

Transferring Account

Account Number

AU-3255

Account Name

Tasman Environmental Markets
Australia Pty Ltd

Account Holder

Tasman Environmental Markets
Australia 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			EOP105638					2023-24		9,003,783,702 - 9,003,783,898	197

[Link to registry can be found here- please note that the retired ACCUs are currently not reflected online](#)

Image 2: VERs retired under the Ethiopia low emissions cookstove project (470 tCO₂e)

IMPACT REGISTRY

CREDITS

PROJECTS

Retirement

STATUS

Retired

NUMBER OF CREDITS

470

RETIREMENT DETAILS

RETIREMENT DATE

Dec 20, 2024

RETIREMENT NOTE

Retired on behalf of Energetics for FY24 service and company emissions under Climate Active.

USING ENTITY

Energetics Pty Ltd

USE CASE

Voluntary

QUANTITY	GS ID	PROJECT DETAILS	COUNTRY	PROJECT TYPE	METHODOLOGY	PRODUCT	USE CASE AUTHORIZATION	CORRESPONDING ADJUSTMENT	SERIAL NUMBER
470	GS11149	Energy Efficient Stoves Program - CPA 3 by World Vision Australia	Ethiopia	 Energy Efficiency Domestic	AMS-II.O. Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass	 VER	Not Applicable	Not Applicable	GS1-ET-GS11149-16-2021-24614-26747-27236

[Link to registry can be found here](#) - please note that the retired VERs can be found online

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**.

Note: Electricity emissions accounts to 148.58 tCO₂-e of upstream emission in the "Service emissions summary" table. These are emission associated with electricity usage in shared building services (e.g., office lobbies, lift, stairwell etc) for the 4 Energetics offices in Australia. These emissions fall under Energetics' scope 3 emissions for upstream leased assets and hence it is not included in the tables below. The calculation for this scope 3 component is an estimation, where the net lettable area (NLA) (in m²) is multiplied with a NABERS factor for base building emissions/NABERS base building reverse calculator (in tCO₂-e/m²) to return total base building emissions for each Energetics office.

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	59,987	0	82%
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)	13,648	0	19%
Residual electricity	-729	-663	0%
Total renewable electricity (grid + non grid)	73,635	0	101%
Total grid electricity	72,906	0	101%
Total electricity (grid + non grid)	72,906	0	101%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	-729	-663	
Scope 2	-649	-591	
Scope 3 (includes T&D emissions from consumption under operational control)	-80	-73	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	101.00%
Mandatory	18.72%
Voluntary	82.28%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	-0.59
Residual scope 3 emissions (t CO₂-e)	-0.07
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Total emissions liability (t CO₂-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 (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
NSW	55,087	55,087	37,459	2,754	0	0
VIC	6,690	6,690	5,285	468	0	0
QLD	5,743	5,743	4,192	861	0	0
WA	5,386	5,386	2,855	215	0	0
Grid electricity (scope 2 and 3)	72,906	72,906	49,791	4,300	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)	72,906					

Residual scope 2 emissions (t CO₂-e)	49.79
Residual scope 3 emissions (t CO₂-e)	4.30
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	49.79
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	4.30
Total emissions liability	54.09

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)
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)
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

Not applicable. All emission sources assessed as relevant have been quantified.

Excluded emission sources

There are no attributable emission sources that have been excluded.

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 EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product or service (do not carry, make or become the product/service) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

1. **Size** The emissions from a particular source are likely to be large relative to other attributable emissions.
2. **Influence** The responsible entity could influence emissions reduction from a particular source.
3. **Risk** The emissions from a particular source contribute to the responsible entity's greenhouse gas risk exposure.
4. **Stakeholders** The emissions from a particular source are deemed relevant by key stakeholders.
5. **Outsourcing** The emissions are from outsourced activities that were previously undertaken by the responsible entity or from outsourced activities that are typically undertaken within the boundary for comparable products or services.

Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Capital expenditure	N	N	N	N	N	Size: The emissions source is not quantified as Energetics did not make any capital investments in FY24. Therefore, this emission source has not been deemed material to the overall emissions. Influence: Since Energetics did not make any capital investments in FY24, our potential to influence this emissions source has not been deemed relevant. Risk: There are no relevant laws or regulations that apply to limit emissions specifically from capital expenditure. The source does not create supply chain risks and it is unlikely to be of significant public interest. Stakeholders: Key stakeholders are unlikely to consider this a relevant source of emissions for our service as there is no expenditure under this emission source. Outsourcing: Energetics does not have emissions from outsourced activities undertaken within the organisation's boundary that are classified under this category.



An Australian Government Initiative

