




PUBLIC DISCLOSURE STATEMENT

ENERGETICS

**ORGANISATION & SERVICE CERTIFICATION
FY2020–21**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Energetics Pty Ltd
REPORTING PERIOD	1 July 2020 – 30 June 2021 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>Dr Mary Stewart CEO 18 February, 2022</p>



Australian Government
**Department of Industry, Science,
Energy and Resources**

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Version September 2021. To be used for FY20/21 reporting onwards.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	Offset by organisation 589 tCO ₂ -e Offset by service 589 tCO ₂ -e
OFFSETS BOUGHT	25% ACCUs, 75% VCU
RENEWABLE ELECTRICITY	100%
TECHNICAL ASSESSMENT	Date 20/12/2021 Name Jessica Antunes Organisation and Services Next technical assessment due: 31/10/2022

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2. CARBON NEUTRAL INFORMATION

Description of certification

Energetics takes a comprehensive approach to its carbon neutral commitment. This certification covers our Australian business operations and services provided by us. By including our entire supply chain within the organisation's footprint boundary, we effectively end up with identical footprints for the organisation and the services we provide.

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).

"At Energetics, we believe in 'walking the talk'. In keeping with our values, Energetics has been carbon neutral since June 2008."

Organisation description

As a team of passionate, committed climate change and energy management professionals advising some of Australia's largest companies, we believe in 'walking the talk'. In keeping with our values, Energetics (ABN: 67 001 204 039) has been carbon neutral since June 2008 (since FY18 through the NCOS and Climate Active programs), published sustainability reports in line with Global Reporting Initiative guidelines and supported a number of community causes.

This carbon account is based on an operational control approach, complemented with extensive supply chain data.

The Energetics offices to be considered for the carbon account are located at the addresses below, noting we moved offices in Sydney and Melbourne.

- Sydney Level 7, 132 Arthur St, North Sydney (until 30 June 2021)
 Level 7, 5 Blue St, North Sydney (from 1 July 2021)²
- Melbourne Level 5, 190 Queen St, Melbourne (until 30 June 2021)
 Level 14, 356 Collins St, Melbourne (from 1 June 2021)³
- Perth Level 3, 182 St Georges Terrace, Perth

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

² The lease for the new Sydney office was effective from July 2021, so it was not taken into consideration for the FY21 carbon account

³ We moved between offices during lockdowns and did occupy two offices at the same time as a result

- Brisbane

Level 12, 410 Queen St, Brisbane.

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.

3. EMISSIONS BOUNDARY

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 or precinct'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.

Organisation emissions boundary

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

SERVICE 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' that become the product, make the product and carry the product through its life cycle. These have been quantified in the carbon inventory.

Non-quantified emissions have been assessed as attributable and are 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.

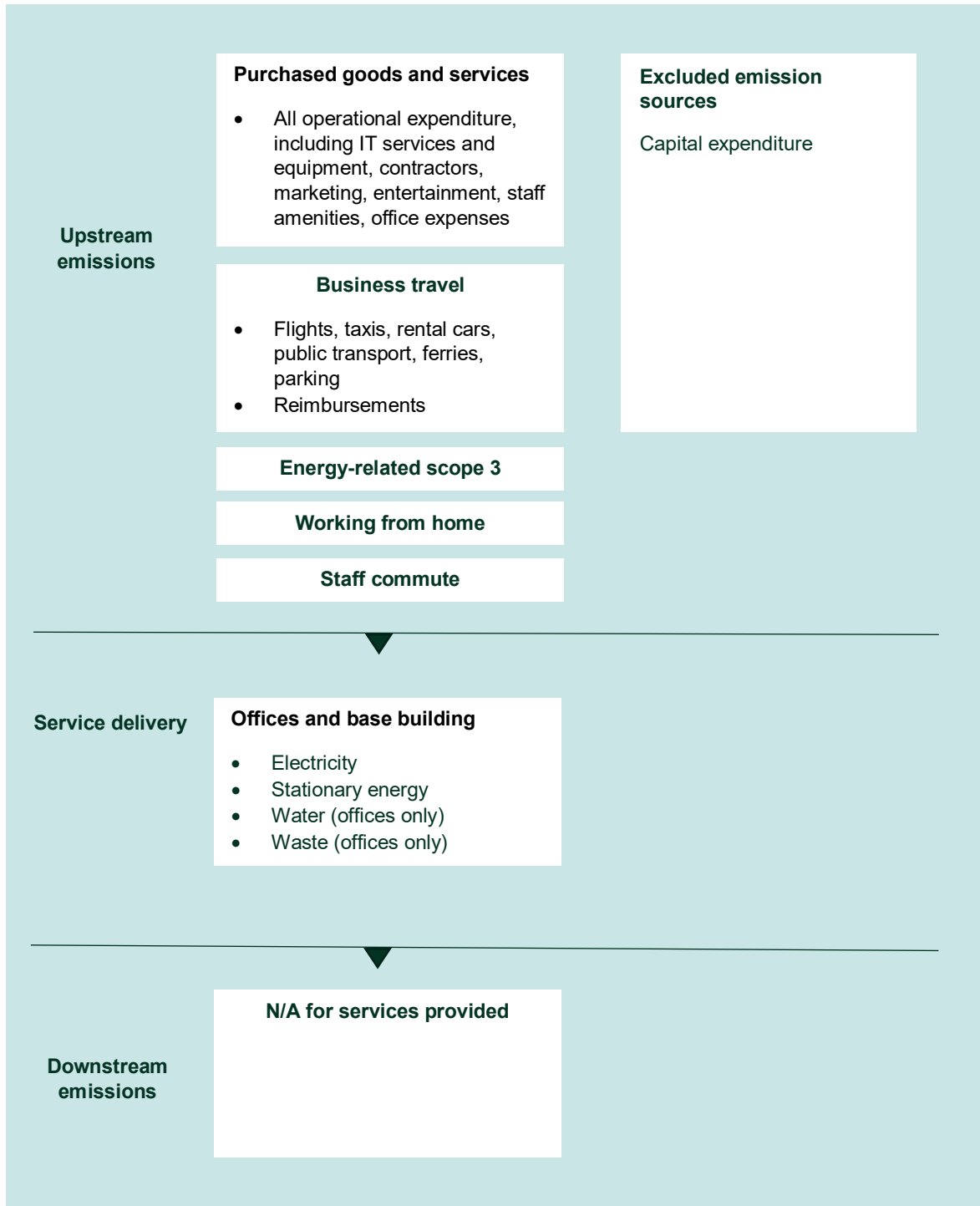
Outside the emissions boundary

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.

Service emissions boundary

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

Service process diagram



Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

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) ⁴. Under our SBT, Energetics has committed to reducing absolute scope 1 and scope 2 greenhouse gas (GHG) emissions by 50% before the year 2030 (from a 2018 base year), and to measure and reduce our scope 3 emissions. The target covering our GHG emissions from company operations (scopes 1 and 2) is consistent with reductions required to keep warming to 1.5°C.

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. Our emissions in FY21 have decreased by 38% from FY20.

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. Below we have outlined some of the initiatives to reduce emissions sources in the past reporting year.

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 carbon neutral products and services.

Base building energy consumption

Energetics has relocated our offices in Sydney⁵ and Melbourne to buildings with improved NABERS⁶ ratings. The previous buildings were 2 stars in Sydney and 0 stars in Melbourne. In an active effort to

⁴ Available on: <https://www.energetics.com.au/about-us/sustainability/our-environment>.

⁵ The lease for the new office in Sydney was effective from July 2021, so the higher NABERS rating will only contribute to reduced emissions in the next reporting period

⁶ The National Australian Built Environment Rating System (NABERS) rates or measures the energy efficiency, water usage, waste management and indoor environment quality of a building or tenancy and its impact on the environment.

target emissions reductions we did not consider tenancy inspections in buildings rated below 4 stars throughout the relocation processes.

Office energy consumption

- All tenancies have energy efficient appliances, including LED lighting throughout the 4 offices.
- The offices in Brisbane and Sydney, which is Energetics' largest office, have motion sensor lighting to reduce electricity consumption when possible.
- The new offices in Sydney and Melbourne have better NABERS ratings compared to the old offices, which will reduce our energy consumption in the FY2021-22 reporting period.
- The Perth office has undergone renovations which included replacing all fluorescent lights with LEDs and adding insulation to the main boardroom.

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.

In addition, leading up to the move out of 132 Arthur Street in Sydney and 190 Queen Street in Melbourne, Energetics worked to recover and recycle as much of the furniture as possible, even though lockdown presented us with significant challenges. In Sydney, the office was left furnished, so the majority of the furniture was reused.

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. In terms of emission implications, even though there was a significant reduction in corporate travel, it is not clear what will happen with this emission source in the medium term as the economy recovers from the effects of the pandemic and business travel resumes.

The COVID 19 pandemic also triggered a hybrid workplace at Energetics; with employees balancing work from home with work from our offices when lockdowns allowed. As such, we will have to refine the information gathered on work from home so that this emission source is better reflected in our inventory. Our staff are allowed to work in a hybrid mode going forward so we will gather this information going forward.

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 through installing smart meters.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e
Base year/Year 1:	2017–18	833
Year 2:	2018–19	826
Year 3:	2019–20	945
Year 4:	2020–21	589

Significant changes in emissions

Emission source name	Current year (tCO ₂ -e)	Previous year (tCO ₂ -e)	Detailed reason for change
Accommodation and venue hire	50	111	The restrictions imposed by the COVID 19 pandemic reduced the number of events in FY21.
Food & catering	36	30	Energetics rolled out a number of initiatives to support the wellbeing of staff working from home during the COVID 19 pandemic increasing the expenditure on food.
Marketing and distribution	83	180	Energetics re-assessed the expenditure items related to Marketing and Distribution and re-allocated some of the cost items to other cost centres; previously all sub-contractors were reported using this cost centre, in our current inventory the emissions associated with sub-contractors has been included in the working from home calculations and not assessed using a generic marketing emissions factor from the IO tables.
Technical services	88	228	The expenditure related to software maintenance and subcontractors for technical services has decreased in FY21. In addition, other costs related to internet & networks has been reassigned under the Telecommunications emission source.

Emission source name	Current year (tCO ₂ -e)	Previous year (tCO ₂ -e)	Detailed reason for change
Telecommunications	42	1	Energetics re-assessed the expenditure related to internet & networks and assigned a different emission factor under the Climate Active inventory. Historically the emission factor for Technical Services has been used and from FY21 the emission factor for Telecommunications was used instead.

Organisation emissions summary

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

Emission category	Sum of total emissions (tCO ₂ -e)
Accommodation and facilities	50
Air Transport (km)	20
Base Building Electricity and Gas (bespoke)	144
Construction Materials and Services	1
Electricity	0
Food	36
ICT services and equipment	42
Land and Sea Transport (fuel)	1
Land and Sea Transport (km)	30
Office equipment & supplies	10
Postage, courier and freight	2
Professional Services	227
Waste	3
Water	2
Working from home	22
Total	589

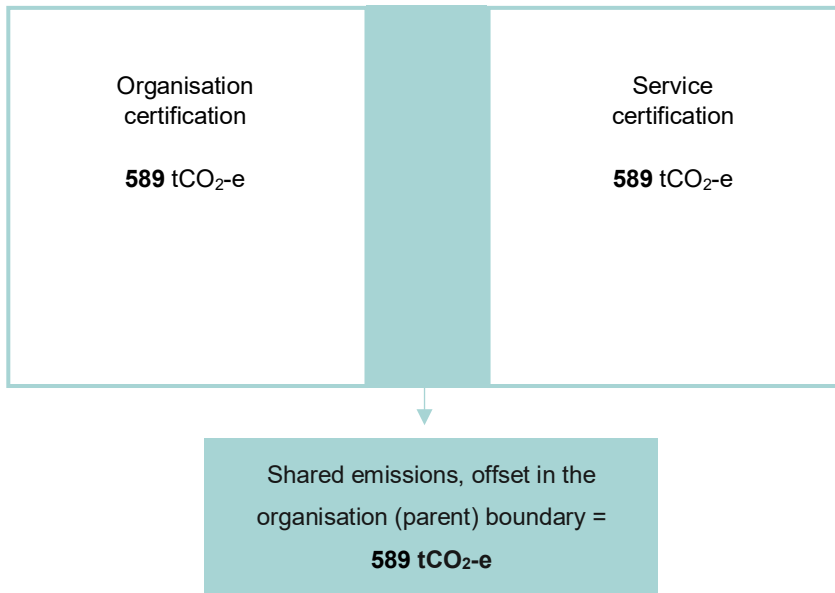
Service emissions summary

Stage	tCO ₂ -e
Upstream emissions	389
Service delivery	200
Downstream emissions	0
Total	589

Emissions intensity per functional unit	1
Number of functional units to be offset	589
Total emissions to be offset	589

Shared emissions between certifications by the same responsible entity

	Emissions (tCO ₂ -e)
Total offset liability	589 tCO ₂ -e
Offset by organisation	589 tCO ₂ -e
Offset by service	0 tCO ₂ -e



Use of Climate Active carbon neutral products and services

N/A

6. CARBON OFFSETS

Offsets strategy

Offset purchasing strategy: In arrears

1. Total offsets previously forward purchased and banked for this report	Zero
2. Total emissions liability to offset for this report	589 tCO₂-e
3. Net offset balance for this reporting period	589 tCO₂-e
4. Total offsets to be forward purchased to offset the next reporting period	Zero
5. Total offsets required for this report	589 tCO₂-e

Co-benefits

Our offsets are from two projects:

ACCUs are from a regeneration project: Located in New South Wales and Queensland, these carbon farming projects work with landholders to regenerate and protect native vegetation. The projects help improve marginal land, reduce salinity and erosion and provide income to farmers. Widespread land clearing has significantly impacted local ecosystems. This degradation and loss of plant species threatens the food and habitat on which other native species rely. Clearing allows weeds and invasive animals to spread and affects greenhouse gas emissions.

The project areas can harbour a number of indigenous plant species which provide important habitat and nutrients for native wildlife. By erecting fencing and actively managing invasive species, these projects avoid emissions caused by clearing and achieve key environmental and biodiversity benefits.

VCUs are sourced from Indian wind farms. Across India, wind farms introduce clean energy to the grid which would otherwise be generated by coal-fired power stations. Electricity availability in the regions have been improved, reducing the occurrence of blackouts across the area. The projects support national energy security and strengthen rural electrification coverage. In constructing the turbines new roads were built, improving accessibility for locals. The boost in local employment by people engaged as engineers, maintenance technicians, 24-hour on site operators and security guards also boosts local economies and village services.

Offsets summary

Proof of cancellation of offset units

Offsets cancelled for Climate Active Carbon Neutral Certification										
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Eligible quantity (tCO ₂ -e)	Quantity used for previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period claim	Percentage of total (%)
KACCU-AUS-Turra Forest Project	ACCU	ANREU	17 February 2022	3,809,707,314 - 3,809,707,458	2020-21	145	0	0	145	25%
VCS-IND-Wind Bundle Gujarat Enercon	VCU	VERRA	17 February 2022	9123-69892494-69892938-VCS-VCU-997 VER-IN-1-370-01012020-31032020-0	2020	445	0	0	445	75%
Total offsets retired this report and used in this report									590*	
Total offsets retired this report and banked for future reports								0		
Type of offset units			Quantity (used for this reporting period claim)			Percentage of total				
Australian Carbon Credit Units (ACCU)			145			25%				
Certified Emissions Reductions (CERs)			0			0%				
Removal Units (RMUs)			0			0%				
Verified Emissions Reductions (VERs)			0			0%				
Verified Carbon Units (VCUs)			445			75%				

*Additional offset not required for further use.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A - Energetics has surrendered LGCs 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

N/A

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-based approach.

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.

Market-based approach summary

Market-based approach	Activity data (kWh)	Emissions (kgCO ₂ -e)	Renewable % 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 & Precinct LGCs)	0	0	0%
GreenPower	46,000	0	81%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	10,702	0	19%
Residual electricity	-152	-163	0%
Total grid electricity	56,550	-163	100%
Total electricity consumed (grid + non grid)	56,550	-163	100%
Electricity renewables	56,702	0	
Residual electricity	-152	-163	
Exported on-site generated electricity	0	0	
Emission footprint (kgCO ₂ -e)		0	

Total renewables (grid and non-grid)	100.27%
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Mandatory	18.93%
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Voluntary	81.34%
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Behind the meter	0.00%
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Residual electricity emission footprint (tCO₂-e)	0
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Figures may not sum due to rounding. Renewable percentage can be above 100%

Location-based approach summary

Location-based approach	Activity data (kWh)	Emissions (kgCO ₂ -e)
ACT	0	0
NSW	43,226	38,903
SA	5	3
Vic	4,207	4,586
Qld	4,136	3,846
NT	0	0
WA	4,976	3,483
Tas	0	0
Grid electricity (scope 2 and 3)	56,550	50,821
ACT	0	0
NSW	0	0
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Non-grid electricity (behind the meter)	0	0
Total electricity consumed	56,550	50,821
Emission footprint (tCO₂-e)	51	

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Organisation non-quantified sources

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

Service non-quantified sources

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

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Organisation excluded sources

The below emission sources have been assessed as not relevant to an organisation's or precinct'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.

Although the emissions from capital expenditure might be large in comparison with Energetics' electricity emissions, the emission source has not been deemed relevant under the other conditions established by the relevance test. Therefore, the emission source has been excluded in provision with the Climate Active guideline.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Capital expenditure	Potentially	No	No	No	No	No

Service non-attributable sources

To be deemed attributable an emission must meet two of the five relevance criteria. Non-attributable emissions are detailed below against each of the five criteria.

Relevance test					
Non-attributable emission	<i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i>	<i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i>	<i>Key stakeholders deem the emissions from a particular source are relevant.</i>	<i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i>	<i>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.</i>
Capital expenditure	Potentially	No	No	No	No



An Australian Government Initiative

