PUBLIC DISCLOSURE STATEMENT

TCG BEVERAGES PTY LTD

PRODUCT CERTIFICATION
FY2021-22 (TRUE-UP)

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	TCG Beverages Pty Ltd
REPORTING PERIOD	Financial Year 1 July 2021 – 30 June 2022 [True-up]
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.* 
	John Allen General Manager of Beverages 25/05/23

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

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	76 tCO2-e
THE OFFSETS BOUGHT	100% CERs
RENEWABLE ELECTRICITY	NA
TECHNICAL ASSESSMENT	15th November 2021 Andrew D. Moore Life Cycle Logic Next technical assessment due: FY2024-25

Contents

2. CARBON NEUTRAL INFORMATION

Description of certification

This PDS provides an outline of the certification of the distilled spirit products and beer of TCG Beverages trading as “The Common Good” as carbon Neutral using the Climate Active Carbon Neutral Standard for Products and Services

“We believe the enjoyment of great products shouldn’t stop with consumers – we believe the environment and our communities should benefit too.”

Product/Service description

Our Life Cycle Assessment (LCA) covers the complete ‘grain-to-glass’ journey of manufacture, bottling, packaging and distribution to customers for all the distilled spirits and beer produced (full coverage) by The Common Good. We have estimated the greenhouse gas intensity for the functional units of “one 700mL bottle of distilled spirits”, and “1 litre of beer” enjoyed by customers. This includes the carbon emissions from the ingredients used in the production to the pre-processing of the materials used in the packaging, through to the freight of the product to the customer and disposal of the empty bottle. The detailed calculation for the LCA has been submitted to the Climate Active Carbon Neutral Program. The LCA data have been assessed by the Life Cycle Logic under the Climate Active validation requirements for carbon neutral certification.

3.EMISSIONS BOUNDARY

Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

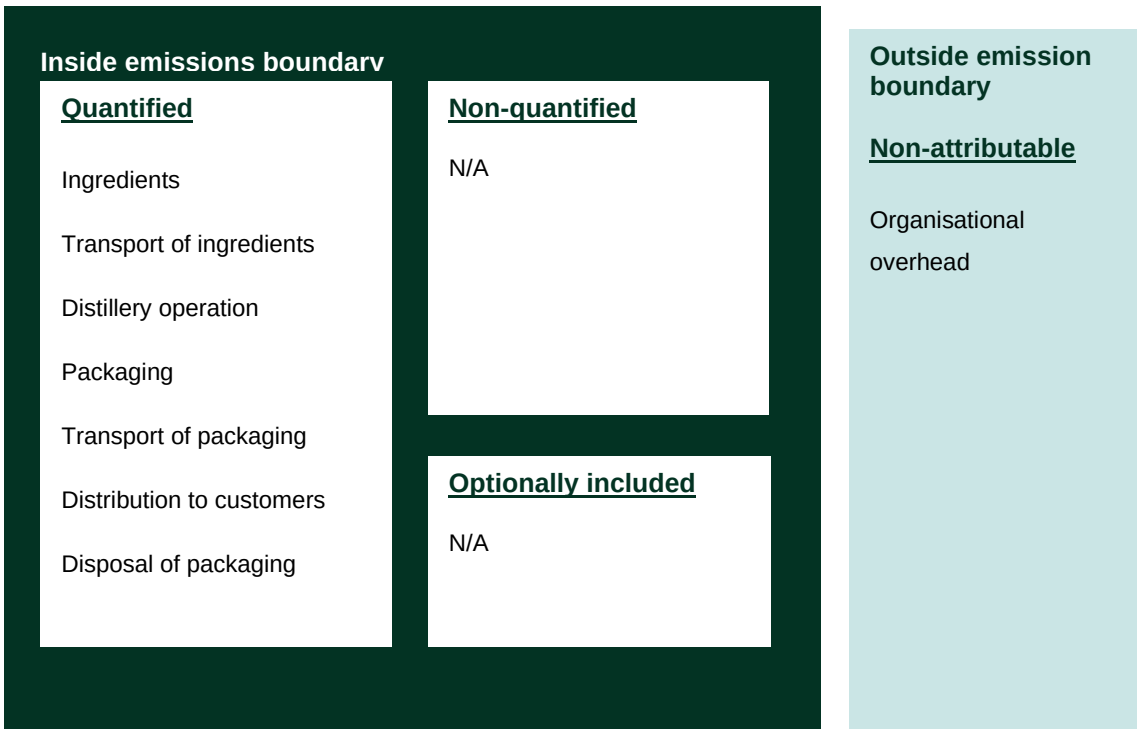
Quantified emissions have been assessed as 'attributable processes' that become the product, make the product and carry the product through its life cycle. These have been quantified in the carbon inventory.

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

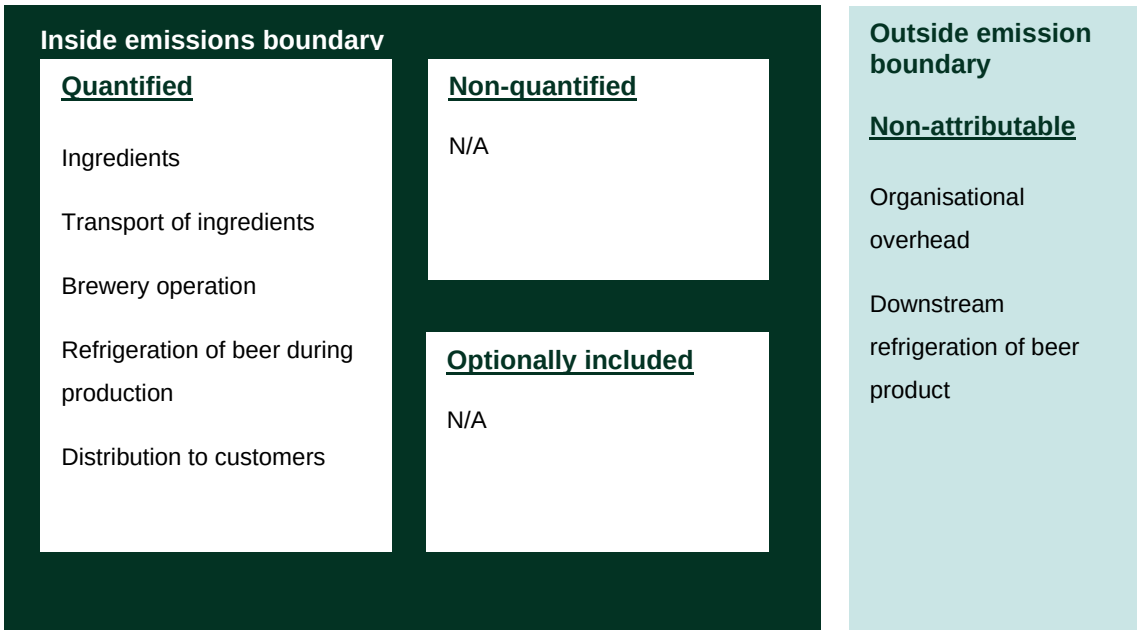
Outside the emissions boundary

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.

The following diagram shows the cradle-to-grave life cycle of a bottle of spirits and the emission sources considered.

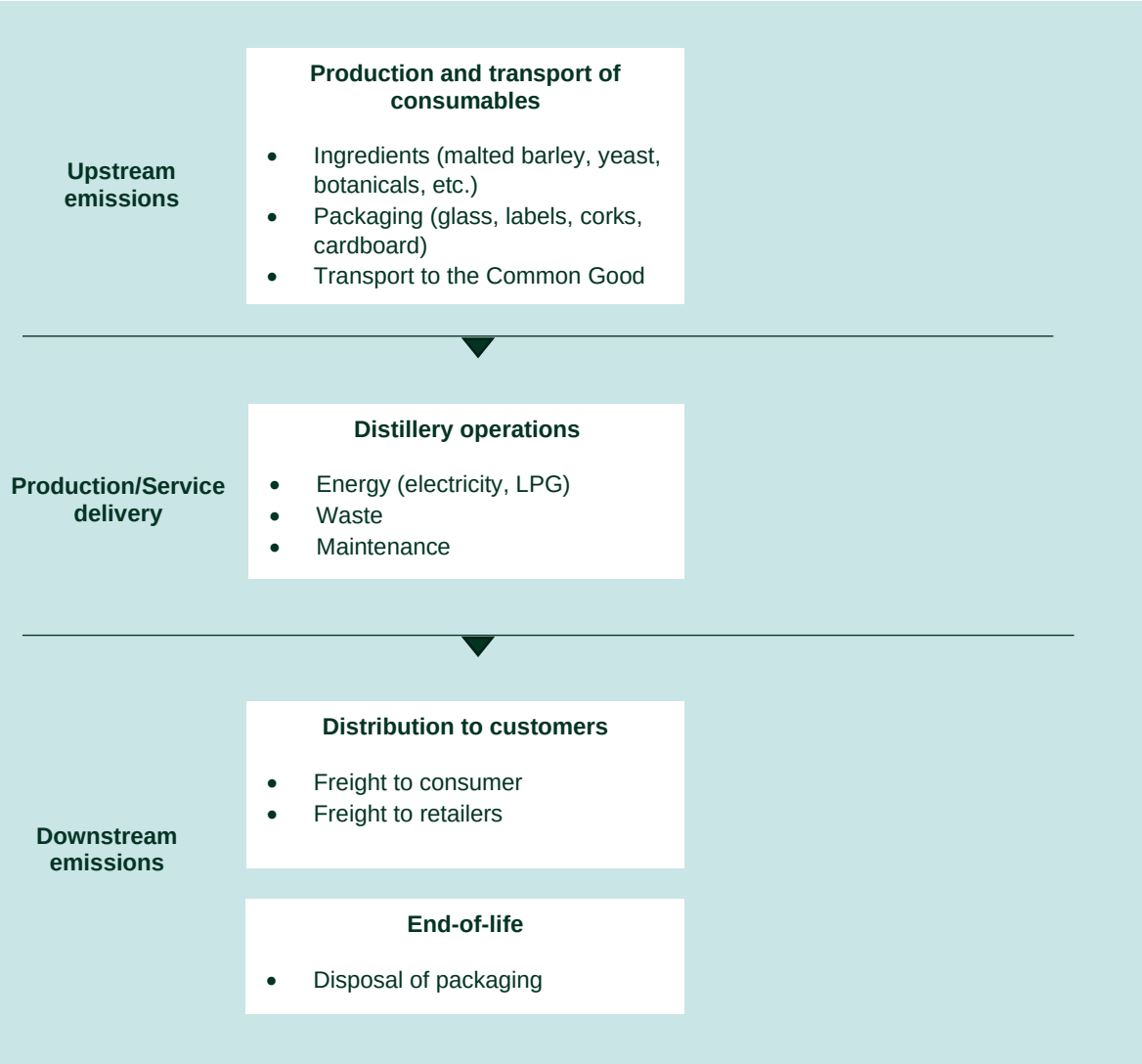


The following diagram shows the cradle-to-grave life cycle of one litre of beer and the emission sources considered.

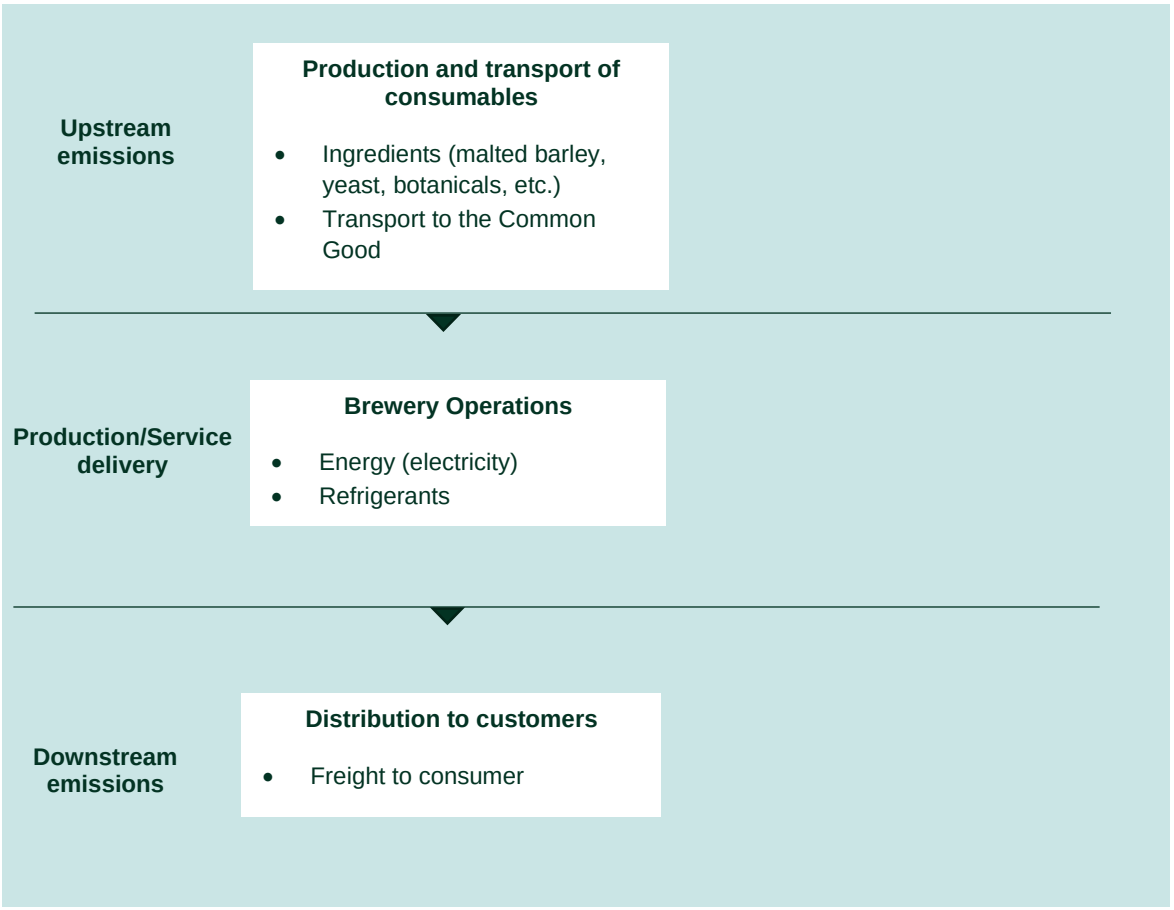


Product/service process diagram

The following diagram shows the cradle-to-grave life cycle of a bottle of spirits and the emission sources considered.



The following diagram shows the cradle-to-grave life cycle of one litre of beer and the emission sources considered.



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

Our decision to have our products certified as carbon neutral is directly linked to our Values. Sustainability is at our core; we want to make the world a better place. We are prepared to challenge the norm and if there is an opportunity to create positive change, we will take it. We want to set the example to all companies; we want our customers to enjoy a great drink whilst making a climate positive choice.

The Common Good is on an evolution journey. We commit to reducing emission intensity by 4.9% per year by 2030 compared to a 2021 base year and are constantly looking at ways to reduce our emissions. This includes:

- Bulk Purchasing: We choose to purchase inputs in large quantities to reduce packaging and freight emissions, such as purchasing bulk bags of grains over multiple 300kg bags to One tonne bags.
- Continued improved efficiencies: We are always looking for improved efficiencies in our system. • Deliving direct to customers where we can rather than relying on third party distribution, and utilizing wholesale distribution for other customers
- Packaging, we are utilizing an inbound waste
- Utilizing all existing stock on hand (bottles and packaging) rather than going to waste, written off inventory utilization

Emissions reduction actions

Together with our emission reduction actions, The Common Good has undertaken other sustainable practices including:

- Packaging: We pack our spirits in 100% Australian recycled Cardboard and choose to use paper tape rather than plastic.
- Barrel recycling program: We only ever buy second-hand barrels, once we are finished with a barrel, we swap it with one of our partner organisations to be used for a different product. By doing this, we are able to use the barrel again, prolonging its life.
- Beer keg reuse: All of our beer is packaged into rented kegs that are reused until the end of their life span.
- 20L kegs for spirits: For large purchases, we can supply 20L kegs of spirits to customers.
- Energy efficiencies: We are utilisng our heat exchanger and using less gas.
- Botanicals: We are now growing our own botanicals, which reduces the freight and packaging from sourcing them elsewhere.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year				
		Total tCO_2-e	**Emissions intensity of spirits**	**Emissions intensity of beer**
Base year:	Projected 2021-22	125	Confidential	1 kg CO_2e/L
Year 1:	2021-22	75.55	Confidential	Confidential

Significant changes in emissions

The Common good is on an evolution journey. During the reporting period our spirit production has increased, requiring additional packaging materials, leading to a significant increase in associated emissions. Our distillery has required an increase of repairs and maintance to support the increase of production. In FY22 we have utilized road fright to customers compared to the previous year when more air freight was used, leading to a significant decrease in emissions.

Emission source name	Current year (tCO_2-e)	Previous year (tCO_2-e)	Detailed reason for change
Spirits: Packaging	4.69 tCO_2-e	3.47 tCO_2-e	Production has expanded and as such more packaging materials are required
Spirits: Distribution to customers	7.98 tCO_2-e	10.04 tCO_2-e	FY22 leaned towards more lower emissions transport, road freight, as opposed to more air freight used in FY21
Spirits: Distillery repairs and maintenance	6.01 tCO_2-e	0.42 tCO_2-e	A great amount of repairs and maintenance had to be conducted in FY22

Use of Climate Active carbon neutral products and services

N/A

Product/Service emissions summary

Stage	Spirits - tCO2-e	Beer - tCO2-e
Ingredients	6.15	0.72
Transport of ingredients	3.81	2.63
Distillery/Brewery operation	42.47	4.24
Packaging and transport of packaging	6.26	N/A
Refrigeration	N/A	0.72
Distribution of customers	7.98	0.12
End of life	0.44	N/A

Emissions intensity per functional unit	Confidential	Confidential
Number of functional units to be offset	Confidential	Confidential
Total emissions to be offset	67.12 tCO2-e	8.43 tCO2-e

6.CARBON OFFSETS

Offsets retirement approach

Offset purchasing strategy: In arrears		
1.	Total offsets previously forward purchased and banked for this report	125
2.	Total emissions liability to offset for this report	76
3.	Net offset balance for this reporting period	49
4.	Total offsets to be banked to offset the next reporting period	49
5.	Total offsets required for this report	76

Co-benefits

The *Yarra Yarra Biodiversity Corridor* is a native reforestation project located in Western Australia and is the largest revegetation project based in the WA Wheatbelt. This key project will help to protect and recover the endangered and declining woodland while sequestering carbon. As land use and forestry activities are recognized as requiring high levels of upfront finance to source land, to plant and manage, we have supplemented local biodeiverse reforestation carbon offsets from the *Yarra Yarra Biodiversity Corridor* with Climate Active eligible renewable energy offset units.

Eligible offsets retirement summary

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**	**Stapled quantity**	**Eligible quantity (tCO_2-e)**	**Eligible quantity used for previous reporting periods**	**Eligible quantity banked for future reporting periods**	**Eligible quantity used for this reporting period**	**Percentage of total (%)**
52.50 MW Wind energy farm at Mokla Rajasthan by HZL	CER	ANREU	14 Oct 2021	256,200,616 – 256,200,740	CP2		125		49	76	
Stapled to											100%
Gold Standard - accredited Yarra Yarra Biodiversity Corridor, WA	PER	Gold Standard Registry		GS1-1-AU-GS3039-21 - 2022-20595-5955-6079	2022	125		0			
									Total offsets retired this report and used in this report	76	
									Total offsets retired this report and banked for future reports	49	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Certified Emissions Reductions (CERs)	76	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A.

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a location 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.

Spirit electricity emissions

Market Based Approach Summary

Market Based Approach	Activity Data (kWh)	Emissions (kgCO2e)	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 & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
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)	7,882	0	19%
Residual Electricity	34,517	34,343	0%
Total grid electricity	**42,398**	**34,343**	**19%**
Total Electricity Consumed (grid + non grid)	**42,398**	**34,343**	**19%**
Electricity renewables	7,882	0	
Residual Electricity	34,517	34,343	
Exported on-site generated electricity	**0**	**0**	
Emissions (kgCO2e)		34,343	

Total renewables (grid and non-grid)	**18.59%**
Mandatory	**18.59%**
Voluntary	**0.00%**

Behind the meter	**0.00%**
Residual Electricity Emission Footprint (TCO2e)	**34**

Figures may not sum due to rounding. Renewable percentage can be above 100%

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	42,398	28,407	424
Tas	0	0	0
Grid electricity (scope 2 and 3)	**42,398**	**28,407**	**424**
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	**0**	**0**	**0**
Total Electricity Consumed	**42,398**	**28,407**	**424**

Emission Footprint (TCO2e)	**29**
Scope 2 Emissions (TCO2e)	28
Scope 3 Emissions (TCO2e)	0

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
Enter product name/s here	**0**	**0**

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

Beer electricity emissions

Market Based Approach Summary

Market Based Approach	Activity Data (kWh)	Emissions (kgCO2e)	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 & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
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)	1,160	0	19%
Residual Electricity	5,080	5,054	0%
Total grid electricity	**6,240**	**5,054**	**19%**
Total Electricity Consumed (grid + non grid)	**6,240**	**5,054**	**19%**
Electricity renewables	1,160	0	
Residual Electricity	5,080	5,054	
Exported on-site generated electricity	**0**	**0**	
Emissions (kgCO2e)		5,054	

Total renewables (grid and non-grid)	**18.59%**
Mandatory	**18.59%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual Electricity Emission Footprint (TCO2e)	**5**

Figures may not sum due to rounding. Renewable percentage can be above 100%

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0

WA	6,240	4,181	62
Tas	0	0	0
Grid electricity (scope 2 and 3)	**6,240**	**4,181**	**62**
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	**0**	**0**	**0**
Total Electricity Consumed	**6,240**	**4,181**	**62**

Emission Footprint (TCO2e)	**4**
Scope 2 Emissions (TCO2e)	4
Scope 3 Emissions (TCO2e)	0

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
Enter product name/s here	**0**	**0**

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following sources emissions have been assessed as attributable, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. 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.

Excluded emission sources

Attributable emissions sources can be excluded from the carbon inventory, but still considered as part of the emissions boundary if they meet **all three of the below criteria**. An uplift factor may not necessarily be applied.

1. A data gap exists because primary or secondary data cannot be collected **(no actual data).**
2. Extrapolated and proxy data cannot be determined to fill the data gap (**no projected data**).
3. An estimation determines the emissions from the process to be **immaterial**).

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 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.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing
Organisational overhead	Not relevant for the product	Yes	No	/No	No
Downstream refrigeration of beer product	No	No	No	Yes	No

An Australian Government Initiative

Climate Active