



PUBLIC DISCLOSURE STATEMENT

CAPITAL BREWING CO PTY LTD

**ORGANISATION CERTIFICATION
FY 2020-21**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY: Capital Brewing Co Pty Ltd

REPORTING PERIOD: Financial year 1 July 2020 – 30 June 2021

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.

Signature

Date 2/2/22

A handwritten signature in dark ink, appearing to read "D. Watters", on a light-colored background.

Name of Signatory

Dan Watters

Position of Signatory

Sustainability Manager



Australian Government

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

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Version number February 2021

1. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year 1 July 2020 – 30 June 2021 and covers the Australian business operations of Capital Brewing Co, ABN: 71 610 788 317.

The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007. This includes the following locations and facilities:

- 1 Dairy Road, Fyshwick ACT 2609
- 822 George Street, Chippendale NSW 2008

Products sold to customers by Capital Brewing Co is also covered in this Organisation Public Disclosure Statement, and in the Product PDS found [here](#).

The methods used for collating data, performing calculations and presenting the carbon account are in accordance with the following standards:

- Climate Active Standards
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008

Organisation description

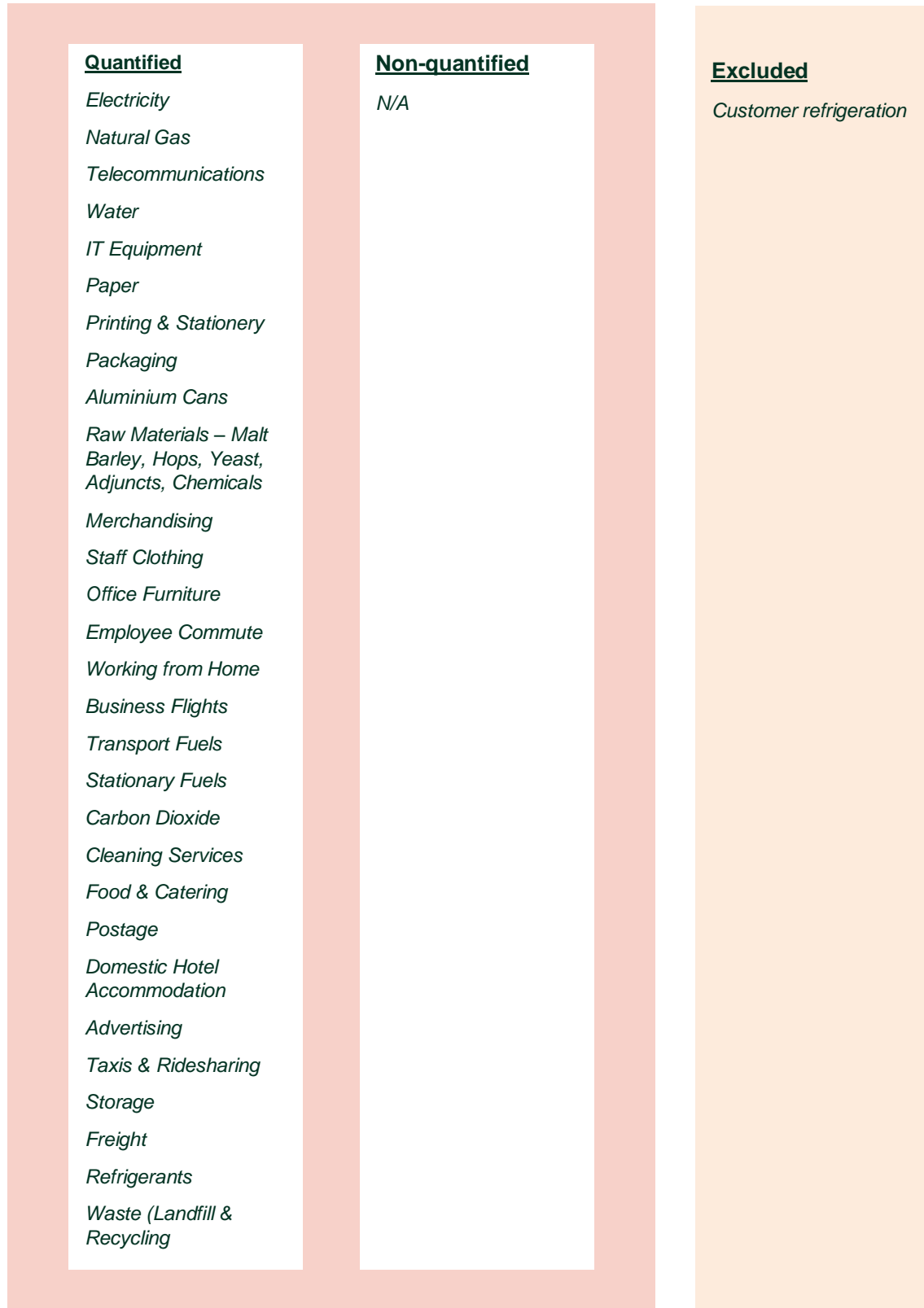
Capital Brewing Co Pty Ltd is an Australian owned company engaged in the production and sale of beer. Capital's headquarters at 1 Dairy Rd, Fyshwick ACT, consists of a 2.5HL brewhouse, fermenters, packaging line, and associated production and storage facilities in addition to a 996person capacity hospitality venue and offices.

A small satellite office in Chippendale, Sydney provides office accommodation for regional sales and support staff.

*“Capital Brewing Co
is proud to be
Climate Active
Carbon Neutral
because there’s no
beer on a dead
planet!”*

2. EMISSION BOUNDARY

Diagram of the certification boundary



Non-quantified sources

N/A

Data management plan

N/A

Excluded sources (outside of certification boundary)

Customer refrigeration has been excluded as it falls outside of Capital Brewing Co's boundary and as per the relevance test (Appendix 1).

"Certification allows us to educate and inspire our industry and community to join with us in making a positive contribution to the health of our planet"

3. EMISSIONS SUMMARY

Emissions reduction strategy

Capital Brewing Co will draw on our first certified emissions summary to develop a detailed reduction strategy in the next six months to further reduce our footprint.

Emission reduction strategies for action over the next year will include:

- Plant and Equipment upgrades to reduce water and chemical use including, but not limited to an automated Clean In Place system.
- Scope a transition to an all-electric vehicle fleet
- Lobby 3PL partners to adopt EVs to haul our freight
- Install upgraded refrigeration equipment switching refrigerant to a low GWP option and reduce electricity use
- Assess our malt supply to identify lower carbon-intensive options
- Assess our hop supply to identify lower carbon-intensive options
- Investigate and move towards lower-emissions merchandise
- Promote and encourage sustainable commute methods for employees
- Join with other breweries throughout Australia to collectively lobby brewery supply chains for lower carbon options

Emissions summary (inventory)

All emissions are shared with the product certification. The relevant PDS can be found [here](#).

Table 1

Emission source category	tonnes CO ₂ -e
Accommodation and facilities	1.2
Carbon neutral products and services	0.0
Cleaning and Chemicals	11.8
Electricity	2.0
Food	3.9
ICT services and equipment	4.0
Land and Sea Transport (\$)	0.2
Land and Sea Transport (fuel)	20.3
Land and Sea Transport (km)	28.7
Office equipment & supplies	3.6
Packaging	247.2
Postage, courier and freight	179.4
Products	31.8
Professional Services	17.4
Raw Materials	399.0
Refrigerants	8.0
Stationary Energy	95.2
Waste	51.7
Water	13.4
Working from home	0.2
<i>Total Net Emissions</i>	1,119.1

Uplift factors

Table 2

Reason for uplift factor	tonnes CO ₂ -e
N/A	
<i>Total footprint to offset (uplift factors + net emissions)</i>	1,119.1

Carbon neutral products

Capital Brewing Co use Reflex carbon neutral paper.

This assessment and Climate Active submission was prepared with the assistance of [Pangolin Associates](#) and these services are also carbon neutral.

Electricity summary

Electricity was calculated using a market-based approach.

Market-based approach summary

Table 3

Market-based approach	Activity Data (kWh)	Emissions (kgCO ₂ -e)	Renewable %
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)	253,735	0	80%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	59,228	0	19%
Large Scale Renewable Energy Target (applied to grid electricity only)	442	0	0%
Residual Electricity	1,895	2,033	0%
Total grid electricity	315,300	2,033	99%
Total Electricity Consumed (grid + non grid)	315,300	2,033	99%
Electricity renewables	313,405	0	
Residual Electricity	1,895	2,033	
Exported on-site generated electricity	0	0	
Emission Footprint (kgCO ₂ e)		2,033	

Total renewables (grid and non-grid)	99.40%
Mandatory	99.40%
Voluntary	0.00%
Behind the meter	0.00%
Residual Electricity Emission Footprint (tCO₂e)	2
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>	
<i>Voluntary includes LGCs retired by the ACT (MWh)</i>	253

Location-based approach summary
Table 4

Location-based approach	Activity Data (kWh)	Emissions (kgCO ₂ -e)
ACT	312,963	281,667
NSW	2,337	2,104
Grid electricity (scope 2 and 3)	315,300	283,770
ACT	0	0
NSW	0	0
Non-grid electricity (Behind the meter)	0	0
Total Electricity Consumed	315,300	283,770

Emission Footprint (tCO₂-e)	284
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4. CARBON OFFSETS

Offsets strategy

Table 5

Offset purchasing strategy:

In arrears

1. Total offsets previously forward purchased and banked for this report	0
2. Total emissions liability to offset for this report	1,120
3. Net offset balance for this reporting period	1,120
4. Total offsets to be forward purchased to offset the next reporting period	0
5. Total offsets required for this report	1,120

The details of offsets relating to this certification also cover the Capital Brewing Co's Product certification.

The relevant PDS can be found [here](#).

Co-benefits

Anhui Guzhen Biomass Generation Project

The Project will achieve emission reductions via avoiding CO₂ emissions from the same amount of electricity generation from East China Power Grid, which is mainly composed of traditional fossil fuel fired power plants. It is estimated that the project activity will generate emission reductions of about 132,072 tCO₂e per year. The Project will not only supply renewable electricity to the grid, but also contribute to sustainable development of the local community, the host country and the world by means of: • reducing greenhouse gas emissions compared to a business-as-usual scenario • helping to stimulate the growth of the biomass power industry in China • reducing the emissions of other pollutants resulting from the power generation industry in China, compared to a business-as-usual scenario • creating local employment opportunities during the construction and operation period of the Project.

The Orana Natural Capital Project (Stapled with Anhui Guzhen Biomass Generation Project)

The 1,120 credits are stapled with an Australian vegetation offset from Bendigo, Victoria (see project details on the following page). The project is ambitious, encompassing regenerative farming, threatened species recovery and work into bio-links.

CERTIFICATION

Orana Park

Natural Capital Units (NCU) purchased and retired for	Amount of units	Date of purchase
Capital Brewing Co.	1,120	February 2022

A Natural Capital Unit represents the permanent protection of one square metre of very high conservation significance native habitat



Registrar Certification



ALLOCATION REFERENCE:
VLQ- VC_CFL-3071_01 VOL001- NCU-021

vegetationlink

Our reference: VC_CFL-3071_01 VOL001- NCU-021

4 February 2022

Laurence Kain
Managing Director
Capital Brewing Co
1 Dairy Rd
Fyshwick ACT 2609

Dear Laurence

RE: Natural Capital Units issued

I can confirm that the following units have been recorded and allocated from the Orana Natural Capital Project:

Date	Project Reference	Serial Numbers	Amount
04.02.2022	Retired on behalf of Capital Brewing Co for FY2021 Climate Active emissions	18267-19386	1,120

One Natural Capital Unit represents the permanent protection of one square metre of very high conservation significance native habitat in Serpentine, Victoria.

Sincerely,



Mel Pritchard
Registrar

Vegetation Link Pty Ltd
ABN: 92 169 702 032
www.vegetationlink.com.au

1300 VEG LINK (1300 834 546) | offsets@vegetationlink.com.au | PO Box 10 Castlemaine VIC 3450

Offsets summary

Proof of cancellation of offset units

Table 6

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	Quantity (tCO ₂ -e)	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 (%)
Anhui Guzhen Biomass Generation Project	VCU	Verra	7 Feb 2022	11775-356400922-356401224-VCS-VCU-1317-VER-CN-1-1121-01012019-31122019-0 11775-356400105-356400921-VCS-VCU-1317-VER-CN-1-1121-01012019-31122019-0	2019	1,120	1,120	0	0	1,120	100%
Stapled with the Orana Natural Capital Project	NCU		4 Feb 2022	18267-19386		1,120	0	-	-	-	
Total offsets retired this report and used in this report										1,120	
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
Verified Carbon Units (VCUs)	1,120	100%

5. USE OF TRADE MARK

Table 7

Description where trademark used	Logo type
Capital Brewing Co website and social media channels	Certified organisation
Sustainability Report and Environmental Management Plan	Certified organisation

6. ADDITIONAL INFORMATION

N/A

7. APPENDIX 1

Excluded emissions

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

Table 8

Relevance test					
Excluded emission sources	<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>
Customer refrigeration	No	No	No	No	No

8.APPENDIX 2

Non-quantified emissions for organisations

Table 9

Non-quantification test				
Relevant-non-quantified emission sources	<i>Immaterial <1% for individual items and no more than 5% collectively</i>	<i>Quantification is not cost effective relative to the size of the emission but uplift applied.</i>	<i>Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.</i>	<i>Initial emissions non-quantified but repairs and replacements quantified</i>
N/A				

