



PUBLIC DISCLOSURE STATEMENT

CAPITAL BREWING CO PTY LTD

**PRODUCT 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 2/2/2022

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 all beer produced by Capital Brewing Co, ABN: 71 610 788 317.

Emissions associated with the operations of the organisation are covered in this PDS and in the organisation PDS, found [here](#).

Functional unit

The functional unit for the carbon neutral certification is litres of beer produced (tCO₂-e/l of beer produced).

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

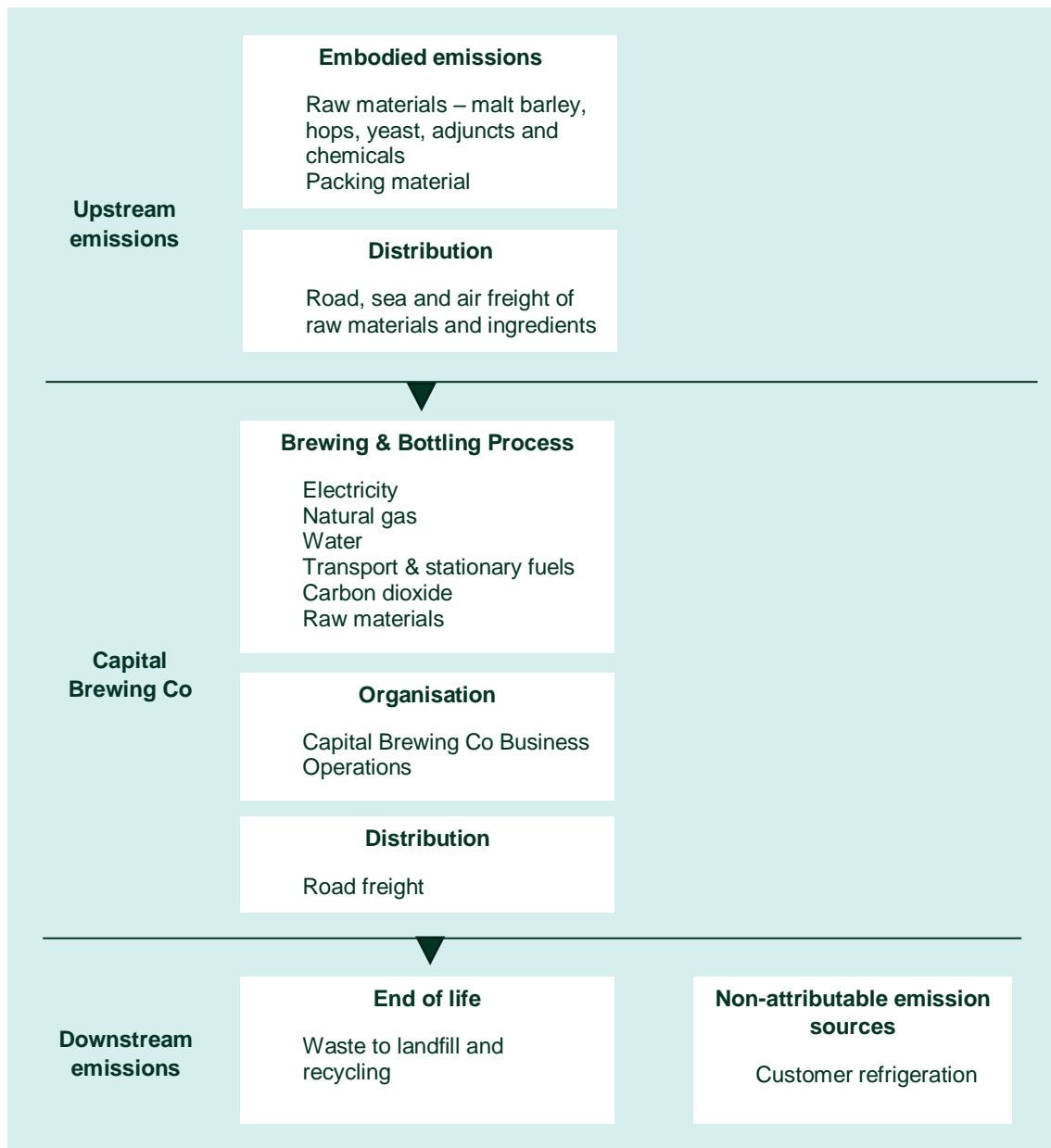
Organisation description

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.

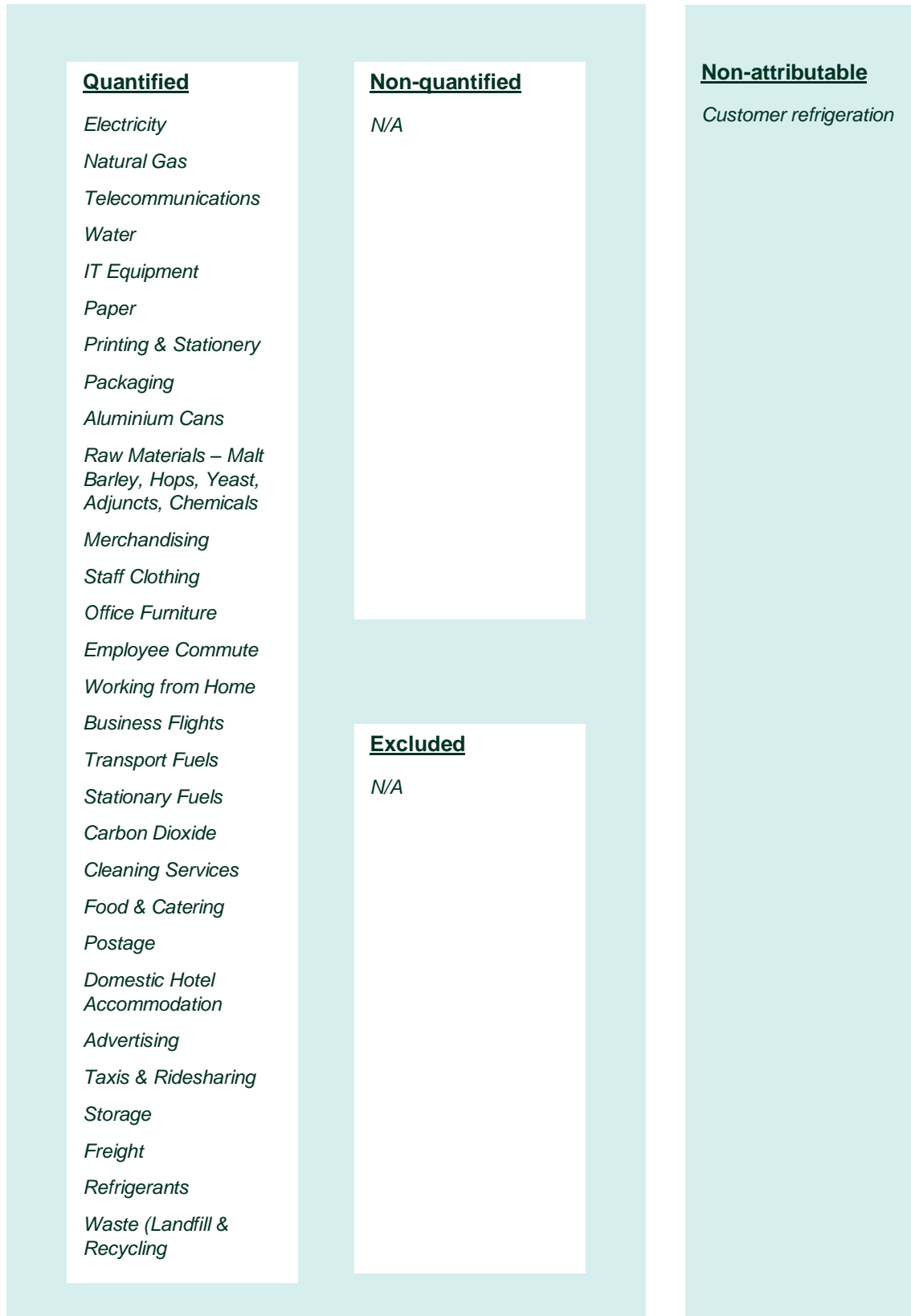
Product process diagram

The following diagram is cradle to grave



2. EMISSION BOUNDARY

Diagram of the certification boundary



Attributable non-quantified sources

N/A

Data management plan

N/A

Excluded sources (within certification boundary)

N/A

Non attributable sources (outside 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

Functional units

Table 1

	Number of functional units
a) Number of functional units sold this period	1,628,374

Emissions summary (inventory)

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

Table 2

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
1. Total inventory emissions	1,119.1
a. Number of functional units represented by the inventory emissions	1,628,374
2. Emissions per functional unit (based on the number of functional units represented by the inventory) <i>Total tCO₂-e divided by the number of functional units in 1a.</i>	0.0007
3. Carbon footprint <i>(Emissions per functional unit (2)* number of functional units (a or b from table 2))</i>	1,119.1

Uplift factors

N/A

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	

4. CARBON OFFSETS

Offsets strategy

The details of offsets relating to this certification are the same as those in the Capital Brewing Co's Organisation PDS, found [here](#).

5. USE OF TRADE MARK

Table 5

Description where trademark used	Logo type
Capital Brewing Co website and social media channels	Certified product
Packaging - can and outer packaging	Certified product

6. ADDITIONAL INFORMATION

N/A

4.APPENDIX 1

Non-attributable emissions for products and services

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.

Table 6

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>
Customer refrigeration	No	No	No	No	No

5. APPENDIX 2

Non-quantified emissions for products/services

Please advise which of the reasons applies to each of your non-quantified emissions. You may add rows if required.

Table 7

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

