



PUBLIC DISCLOSURE STATEMENT

**THE TRUSTEE FOR PAC PROPERTY GROUP
UNIT TRUST TRADING AS BODRIGGY
BREWING COMPANY**

**ORGANISATION CERTIFICATION
FY2022**

Australian Government


Climate Active Public Disclosure Statement

BODRIGGY



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	The Trustee for PAC Property Group Unit Trust trading as Bodriggy Brewing Company
REPORTING PERIOD	Financial year 1 July 2021 – 30 June 2022 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>Name of signatory- Peter Walsh Position of signatory- Managing Director Date- 13/3/2024</p>



Australian Government
Department of Industry, Science,
Energy and Resources

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1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1,004 tCO ₂ -e
OFFSETS BOUGHT	100% VCU's
RENEWABLE ELECTRICITY	25.21%
TECHNICAL ASSESSMENT	24/10/2023 Emma Baird Pangolin Associates Next technical assessment due: 30/06/2025
THIRD PARTY VALIDATION	Type 3 Date 26/09/2023 Tim Grant Life Cycles

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2. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2021 to 30 June 2022 and covers the Australian business operations of The Trustee for PAC Property Group Unit Trust trading as Bodriggy Brewing Company, 95 611 491 046.

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.

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

Where possible, the calculation methodologies and emission factors used in this inventory are derived from the National Greenhouse Accounts (NGA) Factors in accordance with "Method 1" from the National Greenhouse and Energy Reporting (Measurement) Determination 2008.

The greenhouse gases considered within the inventory are those that are commonly reported under the Kyoto Protocol; carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF₆) and nitrogen trifluoride (NF₃). These have been expressed as carbon dioxide equivalents (CO₂-e) using relative global warming potentials (GWPs).

Organisation description

Bodriggy Brewpub (ABN 95 611 491 046) at 245 Johnston St, Abbotsford is a space culminating in a brewery, brewpub, restaurant, cocktail bar and bottle shop/front bar. Abbotsford born and bred, we seek to engage through unique drinking experiences, creativity, culture and music.

At Bodriggy we live and breathe quality. From our dedicated brewers working around the clock to deliver the freshest and most innovative brews, to the talented artists we support and the integral values we hold.

"We live and breathe quality, and sustainability is integral to our values."

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 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.

Inside emissions boundary

Quantified

Accommodation and facilities
Cleaning and chemicals
Electricity
Food
ICT services and equipment
Machinery and vehicles
Office equipment & supplies
Postage, courier and freight
Products
Professional services
Refrigerants
Stationary energy (gaseous fuels)
Transport (land and sea)
Waste
Water
Working from home
Products, materials & equipment
Stationary fuels

Non-quantified

NA

Optionally included

NA

Outside emission boundary

Excluded

NA

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

Bodriggy commits to reduce total scope 1, 2 and 3 emissions from the business by 30% by FY2030 compared to a FY2022 baseline. This will be achieved through the following measures:

We aim to address scope 1 emissions by:

- Natural gas is currently a key requirement for our brewing process. Bodriggy will monitor developments in this space and research more efficient uses of natural gas and/or transition to low and no natural gas machinery.
- Investigate insulating the for piping for steam lines and hot liquor lines to improve gas use.

We aim to address scope 2 emissions by:

- Solar installation on the roof by 2023 and investigate GreenPower electricity options long-term for 2024.
- Implementing energy efficiency measures on site to reduce electricity consumption below current consumption level of 390kWh/ litre of beer.
- Educating employees and key stakeholders on sustainable behaviours to increase buy-in and reduce emissions.

We aim to address scope 3 emissions by:

- Installation of a cardboard compactor for increased cardboard recycling by 2023.
- Partnerships with Reground to reduce soft plastics waste.
- Increasing water efficiencies throughout the brewing process to below 7.1 litres of water per litre of beer.
- Researching increased share of vegan and vegetarian meals on the menu at the BrewPub.
- Researching composting of food waste from the BrewPub.
- Closing the loop with grain supplier resulting in less packaging waste.
- Analysis of key suppliers and moving to suppliers who are carbon neutral / have reduction strategies where commercially viable.
- Analysis of our Brewery location and more efficient/sustainable use of space (e.g. kitchen gardens, water tanks, better storage to reduce freight etc).
- Investigate installing grain silos by 2027, thereby reducing grain deliveries.

5.EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

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

Organisation emissions summary

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

Emission category	Sum of Scope 1 (tCO ₂ -e)	Sum of Scope 2 (tCO ₂ -e)	Sum of Scope 3 (tCO ₂ -e)	Sum of total emissions (tCO ₂ -e)
Accommodation and facilities	0.0	0.0	0.0	0.02
Cleaning and Chemicals	0.0	0.0	12.2	12.2
Electricity	0.0	255.8	0.0	255.8
Food	0.0	0.0	199.9	199.9
ICT services and equipment	0.0	0.0	1.1	1.1
Machinery and vehicles	0.0	0.0	2.5	2.5
Office equipment & supplies	0.0	0.0	3.8	3.8
Postage, courier and freight	0.0	0.0	1.6	1.6
Products	0.0	0.0	0.1	0.1
Professional Services	0.0	0.0	77.9	77.9
Refrigerants	52.6	0.0	0.0	52.6
Stationary Energy (gaseous fuels)	106.7	0.0	8.3	115.0
Transport (Land and Sea)	9.0	0.0	28.5	37.5
Waste	0.0	0.0	203.0	203.0
Water	0.0	0.0	15.3	15.3
Working from home	0.0	0.0	0.2	0.2
Products, Materials & Equipment	0.0	0.0	17.9	17.9
Stationary Fuels	0.0	0.0	7.6	7.6
Grand Total	168.3	255.8	580.0	1004.04

Uplift factors

N/A.

Shared emissions between certifications by the same responsible entity

	Emissions (tCO ₂ -e)
Organisation emissions	1004.04 tCO₂-e
Product Emissions	625.48 tCO₂-e
Total emissions offset by Organisation and product	1629.52 tCO₂-e

6. CARBON OFFSETS

Offsets retirement approach

In arrears

1.	Total emissions footprint to offset for this report	1,004
2.	Total eligible offsets purchased and retired for this report	1,004
3.	Total eligible offsets banked for product report	626

Co-benefits

The Baspa project is a run-of-the-river hydro-electric power plant with an installed capacity of 300 MW. The diversion barrage of the project is located across river Baspa, at Kuppa in Himachal Pradesh. The power house is located at Karcham village in Kinnaur District.

The project addresses the following Sustainable Development Goals: 7. Affordable and clean energy, 9. Industry, innovation & infrastructure and 12. Responsible consumption and production.

Eligible offsets retirement summary

There is significant overlap between [organisation and product](#) emissions. See page 9.

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 product reporting	Eligible quantity used for this reporting period	Percentage of total (%)
300MW Hydropower project by JHPL	VCUs	Verra	18 Oct 2023	13503-506645715-506647344-VCS-VCU-279-VER-IN-1-92-01012019-31122019-0	2019	0	1630	0	0	1,004	100%
Total offsets retired this report and used in this report										1,004	
Total offsets retired this report and banked for future reports									626		
Type of offset units		Quantity (used for this reporting period claim)					Percentage of total				
Verified Carbon Units (VCUs)		1,004					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 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 Percentage of total
Behind the meter consumption of electricity generated	27,945	0	8%
Total non-grid electricity	27,945	0	8%
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)	58,701	0	17%
Residual Electricity	257,066	255,772	0%
Total grid electricity	315,768	255,772	17%
Total Electricity Consumed (grid + non grid)	343,713	255,772	25%
Electricity renewables	86,646	0	
Residual Electricity	257,066	255,772	
Exported on-site generated electricity	0	0	
Emissions (kgCO ₂ e)		255,772	
Total renewables (grid and non-grid)	25.21%		
Mandatory	17.08%		
Voluntary	0.00%		
Behind the meter	8.13%		
Residual Electricity Emission Footprint (TCO₂e)	256		
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>			

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	315,768	287,349	31,577
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	315,768	287,349	31,577
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	27,945	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	27,945	0	0
Total Electricity Consumed	343,713	287,349	31,577
Emission Footprint (TCO2e)	319		
<i>Scope 2 Emissions (TCO2e)</i>	<i>287</i>		
<i>Scope 3 Emissions (TCO2e)</i>	<i>32</i>		

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
N/A	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

No emission sources in Company As organisation boundary were non-quantified in FY2022.

Relevant-non-quantified emission sources	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
N/A	N/A	N/A	N/A	N/A

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

No emission sources were excluded from Bodriggy's organisation boundary in FY2022.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
N/A	N/A	N/A	N/A	N/A	N/A	N/A



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