



PUBLIC DISCLOSURE STATEMENT

KEITH TULLOCH WINE

**PRODUCT CERTIFICATION
FY2021-22**

Australian Government
Climate Active
Public Disclosure Statement




KEITH TULLOCH

FAMILY OWNED — HUNTER VALLEY — ESTABLISHED



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Keith Tulloch Wine
REPORTING PERIOD	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>Allsair Tulloch Operations Manager 24 October 2024</p>



Australian Government

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

Public Disclosure Statement documents are prepared by the submitting organisation. The material in Public Disclosure Statement documents represents the views of the organisation and do not necessarily reflect the views of the Commonwealth. The Commonwealth does not guarantee the accuracy of the contents of the Public Disclosure Statement documents and disclaims liability for any loss arising from the use of the document for any purpose. Version March 2022. To be used for FY20/21/CY2021 reporting onwards.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	110 tCO ₂ -e
THE OFFSETS BOUGHT	100% CER
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	12/11/2020 Michael du Plessis Pangolin Associates Next technical assessment due: FY2023

Contents

1. Certification summary	3
2. Carbon neutral information.....	4
3. Emissions boundary.....	5
4. Emissions reductions	9
5. Emissions summary	10
6. Carbon offsets.....	12
7. Renewable Energy Certificate (REC) summary.....	14
Appendix A: Additional information.....	15
Appendix B: Electricity summary.....	16
Appendix C: Inside emissions boundary.....	17
Appendix D: Outside emission boundary	18

2. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2020 to 30 June 2021 and covers all wine brands sold to customers by Keith Tulloch Wine, ABN 61076486363.

This certification only covers the wines sold to customers by Keith Tulloch Wine. The Climate Active certification for their Australian business operations is covered by a separate Product Public Disclosure Statement, found [here](#)

Functional unit

The functional unit is a single 750ml bottle of wine.

Product description

The product certified is all the wine bottles sold to customers by Keith Tulloch Wine during FY2021/22. The functional unit is a single 750ml bottle of wine.

This is a full coverage certification that includes the emissions associated with wine bottles from cradle to gate (from grape growing to sale to customers). Consumption of wine and end use of wine bottles and packaging is outside of the control of the responsible entity and is excluded from this submission.

Keith Tulloch Wine was founded in 1997 by Keith and Amanda Tulloch, who continue to own and operate the business today, along with their children Jessica and Alisdair and loyal team members. The business encompasses grape growing, winemaking, administration, and sales

The business of grape growing covers two sites in the central Pokolbin district of the Hunter Valley, with the 'Field of Mars' vineyard on Hermitage Road and the 'Latara' Vineyard on Deasys Road. These vineyards were established in 1968 and 1978 respectively; working with and caring for this old-vine resource requires us to work in a forward-thinking, sustainable way. Inputs and decisions may not see immediate results, and decisions are made to produce the best quality of grapes not only for the upcoming harvests, but for future generations

The winemaking element of Keith Tulloch Wine is entirely conducted on the 'Field of Mars' property, along with the administrative and sales buildings. The winery features the capability to crush, ferment and age 150-200 tons of grapes each year, resulting in 12,000-15,000 dozen bottles. A vast majority of this is wine produced under the 'Field of Mars', 'Keith Tulloch' or 'PERDIEM' labels and sold at the tasting room or local and domestic wholesale. A small percentage of this production is for contract winemaking, where wines are produced for other local grape growers or winemakers.

"Keith Tulloch Wine relies on trusted certifications to demonstrate its environmental claims. Climate Active provides a transparent process."

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.

Inside emissions boundary

Quantified

Purchased grapes
Purchased wine
Water use
Packaging materials
Chemicals
Fertilisers
Freight
Wine bottles
Wine caps
Warehousing
Wine labels

Non-quantified

N/A

Optionally included

N/A

Outside emission boundary

Non-attributable

Included in Organisation certification:

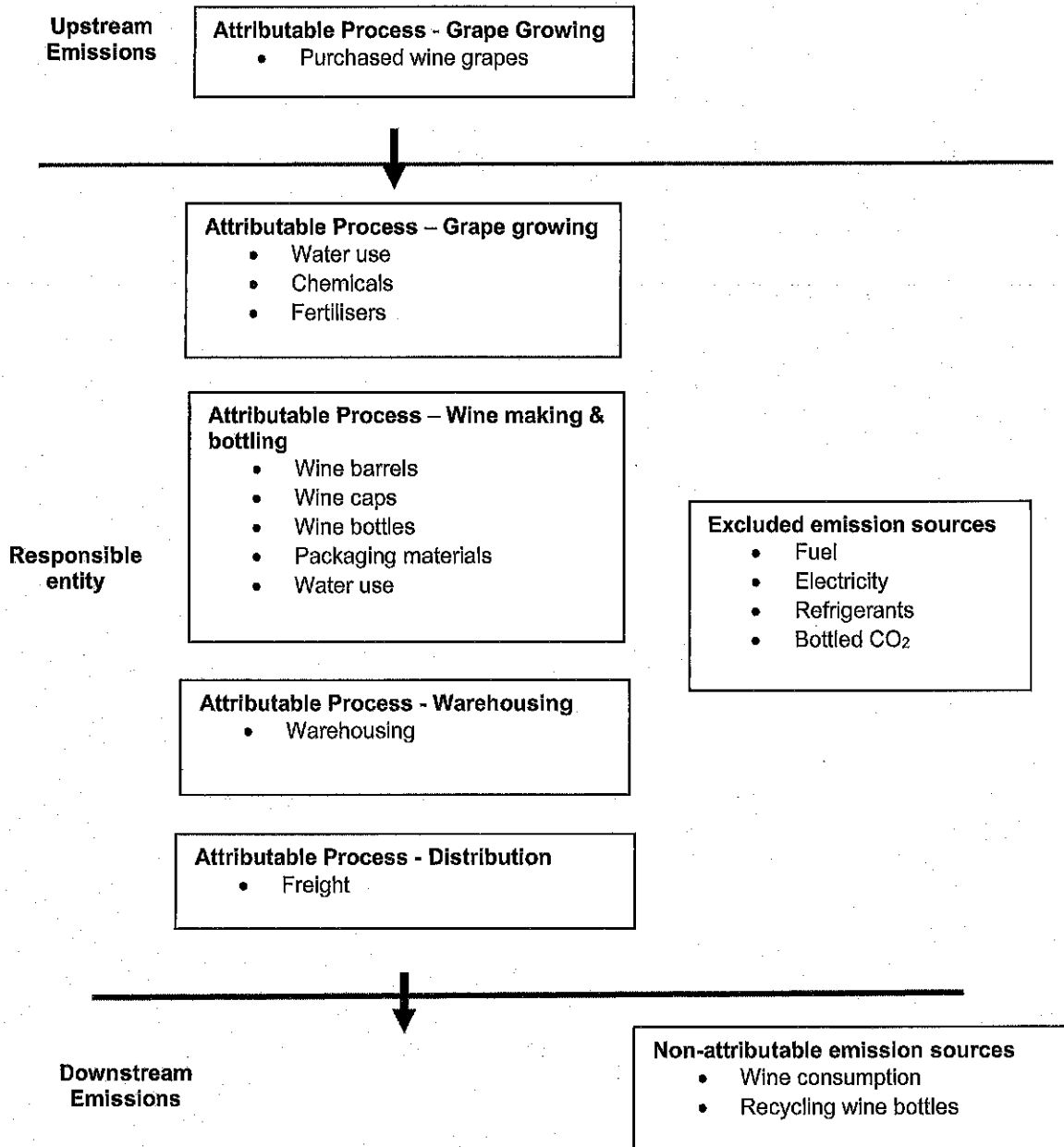
- Fuel use
- Electricity use
- Refrigerants
- Bottled gas (CO₂)

Excluded:

Wine transport (customers)
Wine storage (customers)
Wine consumption
Bottle recycling

Product process diagram

The following diagram is cradle to gate description of the wine production process (from grape growing to sale to customers). Consumption of wine and end use of wine bottles is outside of the control of the responsible entity (Keith Tulloch Wine).



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

Keith Tulloch Wine commits to reduce the emissions intensity of its wine bottles, but is still defining a final emission reduction target by evaluating and implementing the following actions during FY2023 and FY2024:

- Improving the accounting of GHG emissions for the following activities:
 - Freight: work with our freight suppliers to get detailed freight reports to improve the greenhouse gas emissions accounting of their services.
 - Grape purchases: measure GHG emissions from total weights of grapes purchased to suppliers rather than the total expense.
- Collaborate with our suppliers to obtain product specific GHG emissions metrics and improve the accuracy of our GHG accounting.

Emissions reduction actions

Keith Tulloch Wine continued the same reduction actions as during FY2020/21 reporting.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO ₂ -e	Emissions intensity of the functional unit
Base year/Year 1:	2017–18	272.02	N/A
Year 2:	2019–20	242.95	N/A
Year 3:	2020–21	239.7	N/A
Year 4:	2021–22	109.8	N/A

Significant changes in emissions

Emission source name	Current year (tCO ₂ -e)	Previous year (tCO ₂ -e)	Detailed reason for change
Aluminium Scew Caps	14.4	8.9	Stock purchase of aluminium caps
Road freight	40.2	101.6	Reduced freight compared to FY2020/21
Glass Bottles	12.2	26.4	Reduced production compared to FY2020/21
Grape Purchase	15.6	64.7	The calculations of emissions was previously done using the economic input/output methodology. From FY2021/22, the emissions are calculated using a weight based emissions factor.
Wine Barrels	8.6	15.7	Reduced purchase compared to FY2020/21
Wine labels	11.8	14.8	Reduced purchase compared to FY2020/21

Use of Climate Active carbon neutral products and services

N/A

Product/Service emissions summary

Stage	tCO2-e
Fertilisers	1.42
Aluminium ScREW Caps	14.42
Road Freight	40.24
Warehousing	4.52
Glass Bottles	12.27
Grape Purchase	15.62
Wine Barrels	8.62
Wine labels	11.82
Purchased wine	0.28
Water Cartage (diesel)	0.55

Emissions intensity per functional unit (including any uplifts required)	CONFIDENTIAL
Number of functional units to be offset (certified)	CONFIDENTIAL
Total emissions to be offset (certified)	110

6. CARBON OFFSETS

Offsets retirement approach

In arrears

1. Total number of eligible offsets banked from last year's report	0
2. Total emissions footprint to offset for this report	110
3. Total eligible offsets required for this report	110
4. Total eligible offsets purchased and retired for this report	110
5. Total eligible offsets banked to use toward next year's report	0

Co-benefits

Bhilangana - III (B-III) is a run-of-the-river 24 MW (consisting 3 units of 8 MW each) Hydro Power Project located at Village Ghuttu, Tehsil Ghansali, District Tehri, Uttarakhand State, India. The project activity contemplates utilization of water of Bhilangana River, a tributary of the river Bhagirathi, for setting up an environmentally benign project for generation of electricity.

The project activity is implemented by Bhilangana Hydro Power Limited (BHPL) with the objective of ensuring effective and efficient utilization of natural resources, coupled with responsible environmental consideration, which are vital for achieving sustainable development in India.

The electricity generated from the project site will be displacing the grid electricity (a grid mix contributed from different fuel sources) by its equivalent units. Thus, the project activity will be preventing the anthropogenic greenhouse gas (GHG) emissions generated by the fossil fuel (coal, diesel, furnace oil and gas etc.) based thermal power stations in the grid and will be contributing to sustainable development through conservation of environment. The project is a run of river type with minimum environmental impact and the generated electricity is being sold to the state electricity grid, thus reducing dependence on fossil fuels and reducing CO₂ emissions. The project activity by generating clean power has excellent environment benefits in terms of reduction of GHG emissions and conservation of natural resources.

The project activity would lead to alleviation of poverty by establishing direct & indirect benefits through employment generation at all levels from unskilled to skilled workers during the construction & operation phases.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION



United Nations
Framework Convention on
Climate Change

Date: 27 July 2023
Reference: VCI0708/2023

VOLUNTARY CANCELLATION CERTIFICATE

Presented to:

CDM Project 2936: 24 MW Bhilangana - III Hydro Power Project

Reason for cancellation:

Retired on behalf of Keith Tulloch Wine for FY2022 for Climate Active



Number and type of units cancelled

240 CERs

Equivalent to 240 tonne(s) of CO₂

Start serial number: IN-5-202762581-2-2-0-2936
End serial number: IN-5-202762820-2-2-0-2936

The certificate is issued in accordance with the procedure for voluntary cancellation in the CDM Registry. The reason for cancellation included in this certificate is provided by the canceller.

APPENDIX B: ELECTRICITY SUMMARY

N/A

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

There is no non-quantified emissions sources to report.

Excluded emission sources

There is no attributable excluded emissions sources to report.

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.

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>
Bottle recycling	No	NO	No	No	No
Wine consumption	No	No	No	No	No
Wine storage (customers)	No	No	No	No	No
Wine transport (customers)	No	No	No	No	No
Fuel use**	Yes	Yes	Yes	Yes	No
Electricity**	Yes	Yes	Yes	Yes	No
Refrigerants**	Yes	Yes	Yes	Yes	No
Bottled CO ₂ **	No	No	Yes	Yes	No

**These emissions have been included in the carbon neutral certification for Keith Tulloch Wine in the separate organisation Public Disclosure Statement found [here](#).



An Australian Government Initiative

