



PUBLIC DISCLOSURE STATEMENT

KEITH TULLOCH WINE

**PRODUCT CERTIFICATION
FY2019-20**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY: Keith Tulloch Wine

REPORTING PERIOD: 1 July 2019– 30 June 2020

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 26th FEBRUARY 2021

Name of Signatory KEITH TULLOCH.

Position of Signatory MANAGING DIRECTOR



Australian Government
Department of Industry, Science,
Energy and Resources

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1. CARBON NEUTRAL INFORMATION

Description of certification

This carbon neutral certification covers all Keith Tulloch Wine produced wine brands sold through the tasting room and through the wine club. All wines sold by Keith Tulloch Wine are covered by this carbon neutral certification.

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

Organisation description

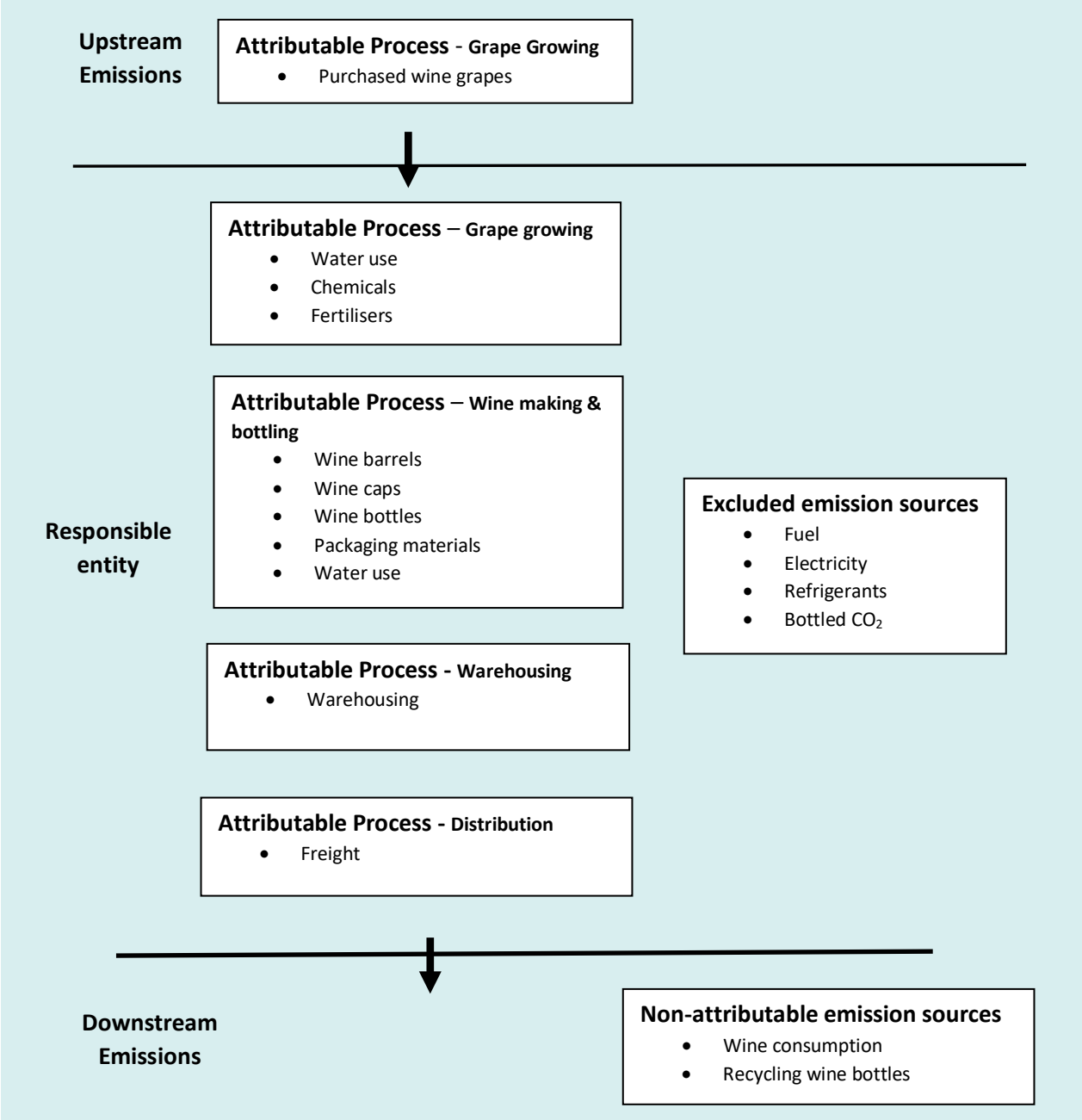
Keith Tulloch Wine was founded in 1997 by Keith and Amanda Tulloch, who continue to own and operate the business today, along with their children Jessica and Alisdair and loyal team members. The business encompasses grape growing, winemaking, administration, and sales.

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

Product/service process diagram

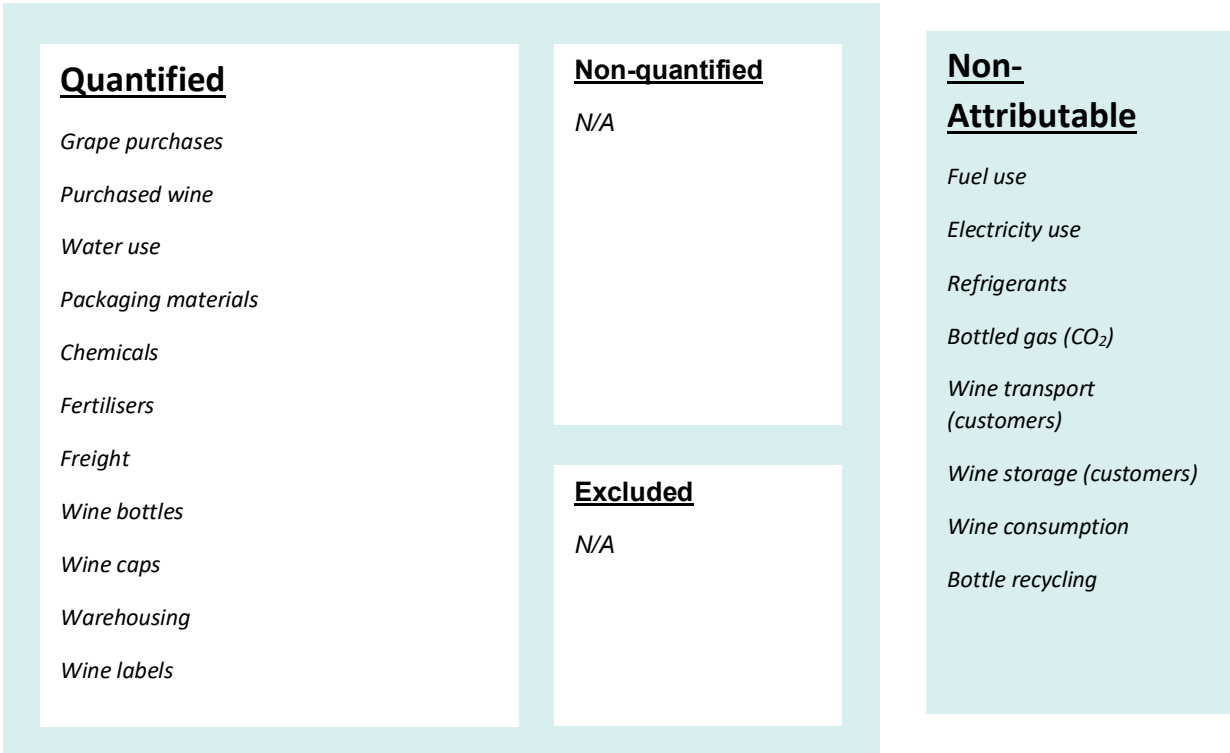
The following diagram is cradle to gate description of the wine production process (from grape growing to sale to customers). Consumption of wine and end use of wine bottles is outside of the control of the responsible entity (Keith Tulloch Wine).



2. EMISSION BOUNDARY

Diagram of the certification boundary

Within the emissions boundary



Attributable non-quantified sources

All relevant emission sources were quantified

Data management plan

Not relevant

Excluded sources (within certification boundary)

All relevant product related emissions sources were quantified.

Non attributable sources (outside certification boundary)

The following emission sources are outside in the product emissions boundary and were quantified in the organisational footprint for Keith Tulloch Wine:

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

The following emission sources relating to the transport and consumption of wine after purchase by consumers are outside the emission boundary:

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

3. EMISSIONS SUMMARY

Emissions reduction strategy

Keith Tulloch Wine is committed to sustainability and is increasingly investing in measures of efficiency and waste management. As well as implementing a more effective plan of glass, plastic and paper recycling. Discussions with our waste services has opened the opportunity to significantly reduce the amount of waste going to landfill through the separation and composting of organic material at the Remondis Awaba facility. This will significantly decrease the emissions from the disposal of organics via landfill and the use of virgin materials.

Efficiency of water use can reduce emissions and cost, as water use in the winery requires that water be trucked in from reservoirs at considerable expense, and involves the emissions associated with water transporting. Reducing the overall use of water as well as installing water-efficient spray fittings and guns will help achieve this goal.

Emissions over time

Table 1

Emissions since base year		
	Base year: 2017 – 2018	Current year Year 2: 2019 – 2020
<i>Total tCO₂-e</i>	272.02	242.95

Emissions reduction actions

There has been a reduction of approximately 9% in carbon emissions from the base year and the previous reporting period (emissions in the previous period were broadly similar to the base year). This reflects a reduction in the number of wine bottles filled in 2019 -2020 compared to the previous reporting period.

Functional unit (single 750 ml bottle of wine)

Table 2

	Number of functional units
<i>a) Number of functional units sold this period</i>	Confidential

Emissions summary (inventory)

Table 3

Emission source category	tonnes CO ₂ -e
Horticulture and Agriculture	3.96
Land and Sea Transport (fuel)	44.00
Packaging Materials	17.31
Postage, courier and freight	124.78
Products	51.87
Purchased Wine	1.02
1. Total inventory emissions	242.95
2. Emissions per functional unit (based on the number of functional units represented by the inventory)	-
3. Carbon footprint	242.95

Uplift factors

Table 4

Reason for uplift factor	tonnes CO ₂ -e
No uplift factors applied	0
<i>Total uplift factors</i>	0
<i>Total to offset (Carbon footprint + total uplift factors)</i>	242.95

4. CARBON OFFSETS

Offset purchasing strategy: in arrears

Offsets are purchased in arrears at the end of the assessment period and subsequently retired. Any surplus is held over for future years.

Offsets summary

Table 5

1. Total offsets required for this report				243					
2. Offsets retired in previous reports and used in this report				0					
3. Net offsets required for this report				243					
Project description	Eligible offset units type	Registry unit retired in	Date retired	Serial number (including hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO2-e)	Quantity used for previous report	Quantity banked for future years	Quantity used this report
Wind Based Power Generation by Mytrah Energy, India	VCUs	Verra	17 Nov 2020	7466-400414645-400414887-VCU-034-APX-IN-1-1521-01012019-01082019-0	2019	243	0	0	243
<i>Total offsets retired this report and used in this report</i>									243
<i>Total offsets retired this report and banked for future reports</i>									0

5. USE OF TRADE MARK

Table 6

Description where trademark used	Logo type
Website: https://keithtullochwine.com.au/	Certified product range
Marketing materials and wine labels	Certified product range



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 7

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>
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 sources have been included the organisational carbon neutral certification for Keith Tulloch Wine and details are shown in the separate organisational public disclosure document.

APPENDIX 2

Non-quantified emissions for products/services

All relevant emissions have been quantified