

PUBLIC DISCLOSURE STATEMENT

ROSS HILL WINE GROUP

PRODUCT CERTIFICATION FY2020-21

Australian Government

Climate Active Public Disclosure Statement







NAME OF CERTIFIED ENTITY: Ross Hill Wine Group

REPORTING PERIOD: 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 8 2 22

Name of Signatory

Owner. Position of Signatory



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Ross Hill Wine Group

1. 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 Ross Hill Wine Group ABN 47 604 711 962.

This certification only covers the wines sold to customers by Ross Hill Wines. The Climate Active certification for their Australian business operations is covered by a separate Organisation Public Disclosure Statement, found <u>here</u>

Functional unit

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

"Ross Hill Wines relies on trusted certifications to demonstrate its environmental claims. Climate Active provides a transparent process"

Organisation description

The Ross Hill Wine Group roots were firmly planted in 1994 by Peter and Terri Robson. Joined by their son James and wife Chrissy in 2006 to continue the hard work, passion and dedication to produce exceptional quality and elegantly refined, cool climate Ross Hill Wines.

In 2019 Luke Steele, joined the Ross Hill family as the Head Winemaker. The winemaking approach of Ross Hill is to create stunning wines that demonstrate complex structures that are harmonious, rich, luscious and balanced. All of Ross Hill's wines are naturally fermented, relying on wild yeasts indigenous to the local area to work their magic. No enzymes are added to the winemaking process nor are any insecticides, pesticides or fertilisers used on the vineyards.

The Ross Hill Vineyard is situated on the gentle north facing slopes of Griffin Rd, Orange at an elevation ranging from 750 to 850 metres. Such elevation presents itself in our wines that are so distinctively high altitude and cool climate produce.

Covering the hills with 12 hectares (ha) of established vine we are able to grow the majority of the grapes used in our wines. Ross Hill white wine varieties include Chardonnay & Sauvignon Blanc, and the iconic red styles of Merlot, Shiraz and Cabernet Franc, Cabernet Sauvignon and Cabernet Shiraz.



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 (Ross Hill Wine Group).





2. EMISSION BOUNDARY

Diagram of the certification boundary

		Non-attributable
Quantified	Non-quantified	Wine consumption
Grape purchases	N/A	Recycling wine bottles
Packing materials		Wine transport
Chemicals		(customer)
Fertilisers		Wine storage
Freight		(customer)
Wine bottles		
Wine caps		
Warehousing		
Wine Labels		
Champagne corks		
	Excluded	
	Fuel Use	
	Electricity use	
	Water use	
	Waste	
	Organisation	
	operations	



Attributable non-quantified sources

N/A

Data management plan

N/A

Excluded sources (within certification boundary)

The following emission sources were excluded in the product footprint.

- Fuel use
- Electricity use
- Water use
- Waste

These emissions sources were quantified in the organisation operation footprint for Ross Hill Wine Group. Details are shown in the separate Organisational Public Disclosure Statement <u>here</u>.

Non attributable sources (outside certification boundary)

Emission relating to the transport, storage and consumption of wine after purchase by consumers is outside the emission boundary. Emissions from recycling of wine bottles by consumers is also outside the emission boundary.

"Climate Active provides an excellent framework for Ross Hill Wines to align with on our low carbon journey."



3. EMISSIONS SUMMARY

Emissions reduction strategy

We have taken a number of initiatives to reduce our carbon footprint.

- We collect our own rainwater.
- We have installed 34 kW of solar panels and changed to 100% carbon neutral grid electricity

We have also reduced energy use by changing our cold stabilisation procedures. We decided to introduce cold stabilisation by physical means which requires the wine to be chilled to minus 1 degree C for about a month then treated with tartrate crystals. CMC Cold stabilisation requires a simple addition of 100ppm cellulose solution. The results are less permanent but adequate for our purposes.

We will continue to work on developing and implementing an emissions reduction strategy over the next two years

Emissions over time

Emissions in 2020 - 2021 have increased in the reporting below but are still below the base year. This reflects the improved weather conditions in 2020 – 2021 as compared to the previous reporting period which as affected by server drought and bushfires which has a large impact on grape growing.

Emissions since base year						
	Base year: 2014 – 2015		Previous yea Year 5: 2019	ar 9 —	Current year Year 6: 2020 –	2021
Total tCO ₂ -e		437.60		210.61		316.28



Emissions reduction actions

Recent emission reduction actions include:

Recycling of waste (especially bottles and cardboard used for wine). We have established 3 waste facilities – general waste (landfill), comingled (bottles, plastic & aluminium) and cardboard. This reduces the amount of waste going to landfill and increases recycling of materials like cardboard, glass and plastic.

With some wholesale customers who order our wines each week, we have established a logistics centre in Sydney to dispatch from, which will cut down considerably on smaller shipments of freight.

No new emission reduction projects were implemented in 2020 -2021 apart from ongoing improvements in efficiency. Our focus in this period has been to meet the challenges of Covid-19 shutdowns and difficult export market conditions for our wines.

Functional units

	Number of
	functional units
a) Number of functional units sold this period	Confidential
b) Number of functional units to be forward offset demonstrating commitment	
to carbon neutrality (true-up to be conducted at the end of the reporting	Confidential
period)	



Emissions summary (inventory)

Table 3	
Emission source category	tonnes CO ₂ -e
Glass wine bottles	59.18
Screw Caps	32.01
Wine labels	46.12
Wine packaging	9.92
Freight	16.52
Grape Purchasers	106.41
Chemicals	29.53
Transport services	5.14
Warehousing	2.79
Wine barrels and pallets	7.98
Champagne corks	0.67
1. Total inventory emissions	316.28
a. Number of functional units represented by the inventory emissions	Confidential
 Emissions per functional unit (based on the number of functional units represented by the inventory) Total tCO2 a divided by the number of functional units in 1a 	Confidential
 3. Carbon footprint (Emissions per functional unit (2)* number of functional units (a or b from table 2)) 	316.28

Uplift factors

Reason for uplift factor	tonnes CO ₂ -e
N/A	
Total to offset (Carbon footprint + total uplift factors)	316.28

Carbon neutral products

This assessment and Climate Active submission was prepared with the assistance of <u>Pangolin Associates</u> and these services are also carbon neutral.



4. CARBON OFFSETS

Offsets strategy

Tabl	e 5	
Off	set purchasing strategy:	
In a	arrears	
1.	Total offsets previously	0
	forward purchased and	
	banked for this report	
2.	Total emissions liability to	317
	offset for this report	
3.	Net offset balance for this	317
	reporting period	
4.	Total offsets to be forward	0
	purchased to offset the next	
	reporting period	
5.	Total offsets required for this	317
	report	

The details of offsets relating to this certification do not cover the Ross Hill Wine's organiation certification. The relevant PDS can be found <u>here.</u>

Co-benefits

150 MW grid connected Wind Power based electricity generation project in Gujarat, India

The main purpose of the project is to generate renewable electricity using wind power and feed the generated output to the local grid in Gujarat, contributing to climate change mitigation efforts. In addition to the generation of renewable energy-based electricity, the project has also been conceived to enhance the propagation of commercialisation of wind power generation in the region and to contribute to the sustainable development of the region, socially, environmentally and economically. The proposed project activity leads to alleviation of poverty by establishing direct and indirect employment benefits accruing out of infrastructure development of wind farms, installation work, operation and management of wind farm, providing daily needs, etc. The infrastructure in and around the project area will also improve due to project activity. This includes development of road network and improvement of electricity and availability as the electricity is fed into a deficit grid. The generated electricity is fed into the Western regional Grid through local grid, thereby improving the grid frequency and availability of electricity to the local consumers (villagers & sub-urban habitants) which will provide new opportunities for industries and economic activities to be setup in the area thereby resulting in greater local employment, ultimately leading to overall development.



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Offsets summary

Proof of cancellation of offset units

Table 6

Offsets cancelled Project description	for Climate Type of offset units	e Active Carbon Registry	n Neutral Cert Date retired	ification Serial number (and hyperlink to registry transaction record)	Vintage	Eligible Quantity (tCO₂-e)	Quantity used for previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period claim	Percentage of total (%)
150 MW grid connected Wind Power based electricity generation project in Gujarat, India.	VCUs	Verra	12/10/2021	9085-66629475- 66629869-VCS- VCU-1491-VER- IN-1-292- 01012017- 31122017-0	2017	395*	0	0	317	100%
Total offsets retired this report and used in this report						317				
	Total offsets retired this report and banked for future reports 0									

*78 of these offsets were retired to offset the organisation emission - refer to PDS link here

Type of offset units	Quantity (used for this reporting period claim)	Percentage of Total
Verified Carbon Units (VCUs)	317	100%



5. USE OF TRADE MARK

Table 7

Description where trademark used	Logo type
Website: https://www.rosshillwines.com.au/about- us/carbon-neutral-certification/	Certified product range
Marketing materials and wine labels	Certified product range

6. ADDITIONAL INFORMATION

N/A



APPENDIX 1

Non-attributable emissions for products

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.

Relevance test					
Non- attributable emission	The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions	The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.	Key stakeholders deem the emissions from a particular source are relevant.	The responsible entity has the potential to influence the reduction of emissions from a particular source.	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.
Wine transport (customers)	No	No	No	No	No
Wine Storage	No	No	No	No	No
Wine Consumption	No	No	No	No	No
Bottle recycling	No	No	No	No	No



APPENDIX 2

Non-quantified emissions for products

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

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





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