



PUBLIC DISCLOSURE STATEMENT

HITHER & YON WINES

PRODUCT CERTIFICATION


FY2021–22

Australian Government
**Climate Active
Public Disclosure Statement**



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Hither & Yon Cellar Door
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>Malcolm Leask Director 31/07/2023</p>



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

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1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	171 tCO ₂ -e
THE OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	28.8%
TECHNICAL ASSESSMENT	FY2020 Pangolin Associates Next technical assessment due: FY2023

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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 all wines sold to customers by Hither & Yon ABN 33 880 790 804, 17 High Street, Willunga, SA 5172.

This certification only covers the wines sold to customers by Hither & Yon. The Climate Active certification for their Cellar Door operations is covered by a separate Organisation Public Disclosure Statement.

Product description

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

The carbon neutral certification covers the Hither & Yon wine brand. All wine products sold through the Hither & Yon Cellar Door in Willunga, South Australia under this brand name are covered by this carbon neutral product certification.

The product is measured using a cradle to gate approach. The cradle to grave approach was previously used in Hither & Yon's product assessments and showed that the end of life stage of the product lifecycle as it was modelised (recycling) resulted in immaterial emissions. This consideration brought Hither & Yon to revise their approach and focus on a cradle to gate approach for this year's assessment, under the assumption that the resulting product carbon footprint would not be impacted by this change of boundary.

“Hither & Yon 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

Chemicals (Winery, bottling and wine making chemicals)

Compost

Electricity

Freight (Road)

Fungicides (Copper Sulphate, Sulphur, Propylene glycol)

Landfill Waste (Wine bottling and winery waste)

Stationary Fuels (Petrol, Diesel, LPG)

Transport fuel (Diesel)

Water

Wine bottle caps & labels

Wine Bottles

Wine cardboard packaging

Wooden pallets & wine barrels

Non-quantified

Composting

Bio-based emission sequestration (soil & vines)

Outside emission boundary

Non-attributable

Freight (exports)

Wine transport (customers to home)

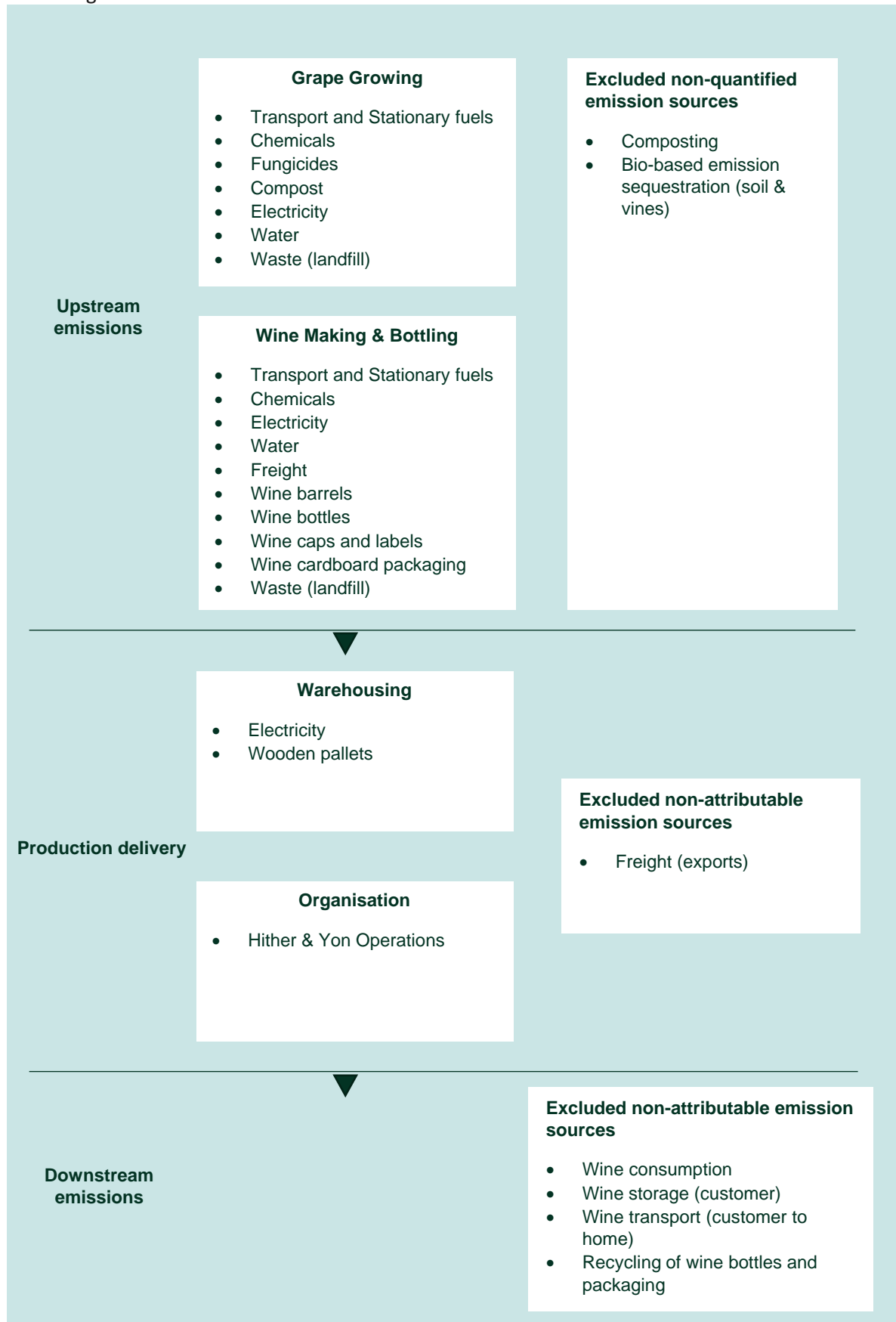
Wine storage (customers)

Wine consumption

Recycling wine bottles and packaging

Product/service process diagram

Cradle-to-gate



Data management plan for non-quantified sources

Composting of green waste from winery operations has not been quantified (data unavailable). The composting is part of a program of plantings to increase soil carbon through bio-based sequestration. Additional bio-based sequestration comes from carbon sequestered in vines and other plantings. The impact of this program will be to offset emissions from composting, however actual data is unavailable. Composting will also increase the sequestration of carbon in the soil. An uplift factor of zero has therefore been applied.

Data management plan

Hither & Yon are working with consultants to measure the sequestration of carbon in soils through plantings and composting. It is expected that data will be available on the emissions reduction from this program within 5 years.

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Hither & Yon commits to reduce total scope 1 and total scope 2 emissions from our product by 50% by 2028 compared to a 2020 baseline. This will be achieved through the following measures:

Scope 1 emissions will be reduced by:

- Reducing business travel and utilising virtual conferencing
- Employee, customer education and training
- Removing stationary fuel use

Scope 2 emissions will be reduced by:

- Installing solar PV and led lighting

We also commit to reduce scope 3 emissions by 25% within the same timeframe, relative to the same baseline by:

- Regenerative farming management of vineyards
- Reducing production that does not use renewable energy
- Selecting suppliers for warehousing and delivery to reduce emissions intensity

Emissions reduction actions

The majority of our solar PV installation was carried out in FY2021 ahead of schedule. We will be looking for more solar PV installation opportunities in the future and all lighting in sheds and cellar door was swapped to LED.

We have increased our rainwater irrigation.

We increased recycling separating waste streams with better efficiency.

In the FY2022 reporting year our strategy was to grow and make our wines using regenerative and sustainable practices, and deliver the product efficiently.

The key action was to challenge every process of our cradle to gate (or grass to glass) flow chart and see what we could do to reduce emissions.

Supplier choice and working with them to reduce emissions is improving and so is our reach to customers who truly care how their wine is grown and made.

We are happy that this strategy has reduced our organisation emissions by 21% from the previous year and setting a foundation for further improvement next year.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e	Emissions intensity of the functional unit
Base year/Year 1:	2019–20	204.3	Confidential
Year 2:	2020–21	216.4	Confidential
Year 3:	2021–22	170.4	Confidential

Significant changes in emissions

Emission source name	Current year (tCO ₂ -e and/ or activity data)	Previous year (tCO ₂ -e and/ or activity data)	Detailed reason for change
Chemicals	10.4	3.1	This relates to a larger yield year in our vineyards and also increase planting, required more coverage, then delivery and production.
Electricity	21.8	19.8	
Diesel	10.1	7.9	
Wine Bottle Caps	24.8	9.3	As per above as we had a large vintage production, we had to bottle more wine and this increased use of all elements of the final product. However, we did keep improving the environmental aspect of all of these.
Wine Bottle Labels	17.0	0.15	
Wine Bottles	39.4	21.6	
Road Freight	36.8	50.6	We started to increase the scale of our customer so this is becoming more efficient, sending more but more consolidated, but also more from our cellar door.

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 also carbon neutral.

Product emissions summary

Stage	tCO2-e
Chemicals - Winery, bottling and wine making chemicals	10.4
Compost	0.2
Electricity	21.8
Fungicide - Copper Sulphate	0.1
Fungicide - Propylene glycol	0.05
Fungicide - Sulphur	0.1
Landfill waste - Wine bottling and winery waste	0.9
Road freight	36.8
Stationary fuel - Diesel oil	0.4
Stationary fuel - LPG	1.9
Stationary fuel - Petrol	0.5
Transport fuel - Diesel oil post-2004 (GJ)	10.1
Water use	0.7
Wine bottle caps	24.8
Wine bottle labels	17.0
Wine bottles	39.4
Wine cardboard packaging	4.1
Wooden pallets & wine barrels	1.5

Emissions intensity per functional unit	Confidential
Number of functional units to be offset	Confidential
Total emissions to be offset	170.4

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	171
3. Total eligible offsets required for this report	171
4. Total eligible offsets purchased and retired for this report	171
5. Total eligible offsets banked to use toward next year's report	0

Co-benefits

The clean power produced by the project displaces an equivalent amount of power from the grid, which is fed mainly by fossil fuel-fired power plants. Therefore, it results in a reduction of GHG emissions. Mytrah Wind, the project owner, also runs a wide CSR scheme that supports the wellbeing of local communities. This includes investment to improve access to education, clean water and a focus on reducing unemployment and the lack of opportunities for young people in the area. It also runs two community camps, together with UNICEF, to empower young women by educating them on their rights, creative abilities and skills in healthcare, while a safe water project provides clean water, sanitation education and improved latrine services.

Eligible offsets retirement summary

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 future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Bundled Wind Power Project by Mytrah Group, India	VCU	VERRA	08/05/2022	6918-358613462-358613632-VCU-034-APX-IN-1-1728-01012017-24112017-0	2014		171	0	0	171	100%
Total offsets retired this report and used in this report										171	
Total offsets retired this report and banked for future reports									171		
Type of offset units		Quantity (used for this reporting period claim)					Percentage of total				
Verified Carbon Units (VCUs)		171					100%				

Please see certification for Organisation PDS [here](#)

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	5,530	0	12%
Total non-grid electricity	5,530	0	12%
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)	7,199	0	16%
Residual Electricity	31,528	31,369	0%
Total grid electricity	38,727	31,369	16%
Total Electricity Consumed (grid + non grid)	44,257	31,369	29%
Electricity renewables	12,729	0	
Residual Electricity	31,528	31,369	
Exported on-site generated electricity	13,160	-9,607	
Emissions (kgCO ₂ e)		21,762	
Total renewables (grid and non-grid)	28.76%		
Mandatory	16.27%		
Voluntary	0.00%		
Behind the meter	12.50%		
Residual Electricity Emission Footprint (TCO₂e)	22		

Figures may not sum due to rounding. Renewable percentage can be above 100%

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	38,727	11,618	2,711
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	38,727	11,618	2,711
ACT	0	0	0
NSW	0	0	0
SA	5,530	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	5,530	0	0
Total Electricity Consumed	44,257	11,618	2,711

Emission Footprint (TCO2e)	14
<i>Scope 2 Emissions (TCO2e)</i>	12
<i>Scope 3 Emissions (TCO2e)</i>	3

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

The following sources emissions have been assessed as attributable, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. They have been non-quantified due to one of the following reasons:

1. **Immaterial** <1% for individual items and no more than 5% collectively
2. **Cost effective** Quantification is not cost effective relative to the size of the emission but uplift applied.
3. **Data unavailable** Data is unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.
4. **Maintenance** Initial emissions non-quantified but repairs and replacements quantified.

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
Composting	Yes	Yes	Yes (data plan in place)	No
Bio-based emission sequestration (soil & vines)	Yes	Yes	Yes (data plan in place)	No

Hither & Yon are working with consultants to measure the sequestration of carbon in soils through plantings and composting. It is expected that data will be available on the emissions reduction from this program within 5 years.

Excluded emission sources

There are no sources that have been excluded from this inventory. Hither & Yon organisation emissions are measured and offsetted as part of the parent organisation certification available in Climate Active website.

	No actual data	No projected data	Immaterial
N/A			

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>
Customer Transport	No	No	No	No	No
Customer Storage	No	No	No	No	No
Wine Consumption	No	No	No	No	No
Bottle recycling	No	No	No	No	No



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