



PUBLIC DISCLOSURE STATEMENT

**ADELINA WINES PTY LTD (TRADING AS
ADELINA WINES)**

**ORGANISATION CERTIFICATION
CY2022**

Australian Government
Climate Active
Public Disclosure Statement

ADELINA



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Adelina Wines Pty Ltd t.a. Adelina Wines
REPORTING PERIOD	1 January 2022 – 31 December 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><i>Jennifer Gardner</i></p>
	Jennie Gardner Director 31/08/2023



Australian Government
**Department of Climate Change, Energy,
the Environment and Water**

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Version March 2023.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	130 tCO ₂ -e
OFFSETS USED	98% VCU 2% CER
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: EfficientSee Pty Ltd
TECHNICAL ASSESSMENT	NA Next technical assessment due: 9 December 2025

Contents

1. Certification summary.....	3
2. Carbon neutral information	4
3. Emissions boundary	5
4. Emissions reductions.....	7
5. Emissions summary	9
6. Carbon offsets	11
7. Renewable Energy Certificate (REC) Summary	13
Appendix A: Additional Information	14
Appendix B: Electricity summary	16
Appendix C: Inside emissions boundary	20
Appendix D: Outside emissions boundary	21

2. CARBON NEUTRAL INFORMATION

Description of certification

This Public Disclosure Statement (PDS) for Adelina Wines Pty Ltd (ABN: 43 130 106 991) presents the emissions generated for the period of 2022 calendar year for their Organisation operations. This inventory incorporates all emissions that are resultant from the operation of the site's winery and vineyard for business purposes. The certification does not cover products.

Organisation description

Adelina Wines Pty Ltd (ABN: 43 130 106 991) t.a. Adelina Wines is a vineyard and winery based in the Springfarm sub-region of Clare, set amongst one of the most historically relevant winery and vineyards in South Australia.

Adelina Wines operates their organisation with organic principles, pairing vineyards with native scrub vegetation to retain and promote the natural landscape of where they are located.

As current custodians of the beautiful land where the winery is built, they believe it is vital to care for it to the best of their abilities. This includes utilising the land and running the business in a manner that is not only sustainable, but regenerative. They strive to use best practice methods that reduce waste and emissions and thus the overall environmental foot-print.

Adelina Wines sought Climate Active certification to better understand their carbon emissions, and begin the process of reducing these emissions, recognising the urgent need for climate action.

The following subsidiaries are also included within this certification:

Legal entity name	ABN	ACN
ADELINA WINES PTY LTD	43 130 106 991	-

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 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

- Electricity
- Food
- Horticulture and Agriculture
- ICT Services and Equipment
- Machinery and Vehicles
- Postage, courier and freight
- Products
- Professional Services
- Refrigerants
- Stationary Energy
- Transport (Land and Sea)
- Waste
- Working from Home
- Wine Bottle Caps
- Wine Barrels

Non-quantified

Outside emission boundary

Excluded

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Adelina Wines is committed towards pairing carbon neutrality certification with ongoing carbon reduction activities and projects, aligned with best practice under the Climate Active Standard for Organisations.

Adelina Wines has set an emission reduction target of at least 30% by 2031 against baseline reporting period CY21.

To achieve this goal, Adelina Wines will undertake several targeted projects.

Products and Services is the largest contributor to the emission inventory and thus should be prioritised. By immediately targeting and favouring procurement of products or services that either have Climate Active certification, or a lower carbon emission footprint/factor, Adelina Wines will witness a significant emission reduction. Additionally, expanding the focus of products and services to incorporate the subsequent waste and its disposal, will support reducing waste emissions. Adelina Wines is committed to achieving an annual 10-20% improvement upon the baseline level, subject to a future waste stream analysis/audit. This will be achieved via the utilisation of separate bins within the winery, and more deliberate separation of waste, paired with deliberate selection and procurement of products.

Adelina Wines will also immediately engage with their postage and courier suppliers in order to establish conversations regarding low carbon options, and promote the Climate Active certification.

To reduce electricity emissions, Adelina Wines will undertake three projects. The first being to review GreenPower procurement as part of the business's contract with an energy retailer once the current contract expires, which will eliminate grid-consumed energy emissions instantaneously.

The second project Adelina Wines will undertake an energy/resource audit before the end of 2024, which will support the identification of significant energy-consuming equipment, as well as potential projects to improve energy efficiency. This will also support the reduction in grid-based energy consumption, saving on cost whilst also reducing emissions. It is envisaged that such an audit will determine that improvements to the temperature management system will enable refrigeration equipment to operate during peak renewable energy and low-cost periods.

The energy audit will also support the investigation and potential implementation of the third project – to reduce energy consumption from grid-sources via the expansion of the existing solar PV system at the site. This will be analysed via a business case developed from the energy audit, estimated to occur when planning for FY25 budgets.

Transport is another emission source Adelina Wines wish to target. Currently, the business has internal combustion engine (ICE) vehicles for staff movement to-and-from the site and around the vineyard. Adelina Wines is committed towards transitioning to electric vehicles (EVs), in the first instance at the current fleet's end-of-life, but also investigating opportunities to peremptorily procure EVs and retire the ICE vehicles earlier, recognising the need for decarbonisation of the transport sector. This will form part of discussions that occur at the next budgetary planning period at the end of FY23.

Emissions reduction actions

We are currently working on implementing the aforementioned emission reduction opportunities. The outcomes and progress of which will be recorded in future Public Disclosure Statements.

5. EMISSIONS SUMMARY

Emissions over time

		Emissions since base year	
		Total tCO ₂ -e (without uplift)	Total tCO ₂ -e (with uplift)
Base year:	2021	163	171
Year 1:	2022	124	130

Significant changes in emissions

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Glass Packaging	37	31	Change in crop output
Grapes for Wine	48	17	Change in crop output
Diesel oil post-2004	13	16	Change in productivity of staff requiring more usage of vehicles

Use of Climate Active carbon neutral products, services, buildings or precincts

Certified brand name	Product/Service/Building/Precinct used
N/A	N/A

Emissions summary

The electricity summary is available in the Appendix B. Electricity emissions were calculated using a location-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 (t CO ₂ -e)
Electricity	0	8.224	2.632	10.86
Food	0	0	0.301	0.30
Horticulture and Agriculture	0	0	3.827	3.83
ICT services and equipment	0	0	0.546	0.55
Machinery and vehicles	0	0	1.764	1.76
Postage, courier and freight	0	0	30.281	30.28
Products	0	0	53.691	53.69
Professional Services	0	0	2.346	2.35
Refrigerants	0.159	0	0	0.16
Stationary Energy (liquid fuels)	1.181	0	0.394	1.58
Transport (Land and Sea)	12.920	0	3.179	16.10
Waste	0	0	2.593	2.59
Working from home	0	0	-0.719	-0.72
Total emissions	14.26	8.22	100.84	123.32

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions that cannot be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO ₂ -e
5% uplift to incorporate estimations undertaken in applying bespoke emission factors and account for non-quantified sources where data are unavailable	6.17
Total of all uplift factors	6.17
Total emissions footprint to offset <i>(total emissions from summary table + total of all uplift factors)</i>	129.49

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken arrears offsetting approach. The total emission to offset is 130 t CO₂-e. The total number of eligible offsets used in this report is 130. Of the total eligible offsets used, 0 were previously banked and 130 were newly purchased and retired. 0 are remaining and have been banked for future use.

Co-benefits

The carbon offsets that Adelina Wines have purchased support the implementation of wind energy projects in India. The increasing number of wind farms and other renewable energy sources provides energy to many communities that would otherwise be generated from fossil fuel sources such as coal. Whilst avoiding the emittance of greenhouse gases from coal-fired power stations, these projects also reduce local air pollutants, improving the health of nearby communities.

Through supporting wind farms in India via the purchase of offsets, Adelina Wines is also supporting the broader regional economy and communities through increased local employment, improved road conditions and utility infrastructure, and increased patronage in local businesses by visiting workers. Additionally, renewable energy projects can improve energy security and coverage.

This project supports the progression towards achieving four Sustainable Development Goals:

- 7. Affordable and Clean Energy
- 8. Decent Work and Economic Growth
- 13. Climate Action
- 15. Life on Land

Eligible offsets retirement summary

Offsets retired 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 retired (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 (%)
Wind Project in Maharashtra, India by Kayathar and Jath	VCU	Verra	26/04/2023	8455-21802471-21802597-VCS-VCU-997-VER-IN-1-1520-01012019-31102019-0	2019		127	0	0	127	98%
Avoidance of methane emissions from Municipal Solid Waste and Food Waste through Composting	CER	CDM	08/09/2023	IN-5-290523797-2-2-01904 - IN-5-290523799-2-2-0-1904	CP2		3	0	0	3	2%
Total eligible offsets retired and used for this report										130	
Total eligible offsets retired this report and banked for use in future reports									0		

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Verified Carbon Units (VCUs)	127	98%
Certified Emission Reduction (CER)	3	2%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

CERTIFICATE NO. **ADWI-0423**
ADELINA WINES PTY LTD

TEM RETIREMENT REPORT

Retired on behalf of Adeline Wines PTY LTD - a client of TEM.



REFERENCE	PROJECT NAME	SERIAL NO.	COUNTRY	PROJECT ID	TYPE	VINTAGE	DATE	UNITS
1	VCS-IND-Wind Project Maharashtra	8455-VCS-VCCU-997-VER-IN-1-1520-01012019-31102019-0	India	VCS1520	Wind	2019	26/04/2023	127
TOTAL								127



EVIDENCE RETIREMENT CONFIRMATION

OFFSET REF 1: VERRA Registry
LINK TO REGISTRY:
8455-VCS-VCCU-997-VER-IN-1-1520-01012019-31102019-021802471 - 21802597

Serial Number	Quantity of Units	Unit Type	Project Name	Project Type	Additional Comments	Organization	Project Site	Project Country/Area	Account Holder	Retirement Status	Transfer Date	Retirement Details	Offset Date
8455-VCS-VCCU-997-VER-IN-1-1520-01012019-31102019-021802471-21802597	127	VCCU	Wind Project in Maharashtra, India by Akvitar and JAF	Energy Industries (renewable sources)		Maharashtra	India (IN)	Retirement for Party in Organization	Adeline Wines Pty Ltd	Retired on behalf of Adeline Wines Pty Ltd a client of TEM	2024/02/23		



EXTRAORDINARY IMPACT OFFSET PROJECT CATEGORY OVERVIEW

Across India, wind farms introduce clean energy to the grid which would otherwise be generated by coal-fired power stations. Wind power is clean in two ways: it produces no emissions and also avoids the local air pollutants associated with fossil fuels. Electricity availability in the regions have been improved, reducing the occurrence of blackouts across the area.

The projects support national energy security and strengthen rural electrification coverage. In constructing the turbines new roads were built, improving accessibility for locals. The boost in local employment by people engaged as engineers, maintenance technicians, 24-hour on-site operators and security guards also boosts local economies and village services.

The projects meet the following Sustainable Development Goals



APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

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.

For this certification, electricity emissions have been set by using the **location-based approach**.

Market-based approach summary			
Market-based approach	Activity Data (kWh)	Emissions (kg CO ₂ -e)	Renewable percentage of total
Behind the meter consumption of electricity generated	0	0	0%
Total non-grid electricity	0	0	0%
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	0	0	0%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	6,132	0	19%
Residual Electricity	26,765	25,561	0%
Total renewable electricity (grid + non grid)	6,132	0	19%
Total grid electricity	32,897	25,561	19%
Total electricity (grid + non grid)	32,897	25,561	19%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	26,765	25,561	
Scope 2	23,637	22,573	
Scope 3 (includes T&D emissions from consumption under operational control)	3,128	2,988	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	18.64%
Mandatory	18.64%
Voluntary	0.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	22.57
Residual scope 3 emissions (t CO₂-e)	2.99
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	22.57
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	2.99
Total emissions liability (t CO₂-e)	25.56

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

Location-based approach summary						
Location-based approach	Activity Data (kWh) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	100%	(kWh)	Scope 2 Emissions (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	32,897	32,897	8,224	2,632	0	0
VIC	0	0	0	0	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	32,897	32,897	8,224	2,632	0	0
ACT	0	0	0	0		
NSW	0	0	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	0	0	0	0		
Total electricity (grid + non grid)	32,897					

Residual scope 2 emissions (t CO ₂ -e)	8.22
Residual scope 3 emissions (t CO ₂ -e)	2.63
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	8.22
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	2.63
Total emissions liability	10.86

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO ₂ -e)
N/A	0	0
<i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market based method is outlined as such in the market based summary table.</i>		

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
N/A	0	0
<p><i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market based summary table.</i></p>		

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. 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	Justification reason
n/a	n/a

Data management plan for non-quantified sources

Not required.

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

None excluded.



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