



# **PUBLIC DISCLOSURE STATEMENT**

CULLEN WINES PTY LTD

ORGANISATION CERTIFICATION  
FY2022–23

Australian Government  
**Climate Active**  
**Public Disclosure Statement**

**CULLEN WINES**  
WILLYARRUP MARGARET RIVER



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Cullen Wines Pty Ltd
REPORTING PERIOD	Financial Year 1 July 2022 – 30 June 2023 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>Vanya Cullen</i></p> <hr/> <p><i>VANYA. CULLEN</i>  <i>MANAGING DIRECTOR CULLEN WINES</i>  <i>1ST NOVEMBER 2024</i></p>



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

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Version August 2023.



# 1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	578 tCO <sub>2</sub> -e
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	100%
CARBON ACCOUNT	Prepared by: Pangolin Associates Pty Ltd
TECHNICAL ASSESSMENT	01/02/2024 Mylene Turban Pangolin Associates Pty Ltd Next technical assessment due: FY2026
THIRD PARTY VALIDATION	Type 1 02/05/2024 Anvarta Pty Ltd

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## 2. CERTIFICATION INFORMATION

### Description of organisation certification

This organisation certification is for the Australian business operations of Cullen Wines Pty Ltd, ABN: 81 083 098 024.

This Public Disclosure Statement includes information for FY2022-23 reporting period.

### Organisation description

Cullen Wines (ABN: 81 083 098 024) is a family-owned Australian winery based in Wilyabrup, within the Margaret River wine region of Western Australia. Cullen Wines specialises in biodynamic viticulture, combining the maintenance of sustainable soil fertility and the recognition of the link between plant growth and the rhythms of the cosmos. In line with Cullen Wines' continued dedication to sustainability, they are constantly looking for ways to lessen their impact on the environment in as many ways as possible.

The organisation and operational boundaries have been defined based on an operational control approach.

This includes Cullen Wines operations from the following locations:

- 4323 Caves Road, Wilyabrup, 6280, WA
- 4396 Caves Road, Gracetown, 6284, WA

This certification only covers the Australian business operations of Cullen Wines. Wines sold to customers by Cullen Wines is covered by a separate Product Public Disclosure Statement. Shared emissions between organisation and product certifications are disclosed in Appendix A.

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## 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

Accommodation and facilities

Cleaning and Chemicals

Construction Materials and Services

Electricity

Food

Horticulture and Agriculture (fertilisers, pesticides, fungicides, insecticides, nitrous oxide emissions from application)

ICT services and equipment

Machinery and vehicles

Office equipment & supplies

Postage, courier and freight

Products

Professional Services (Insurance, Research and meteorology services, Education, Entertainment, Business services, Accounting services, Advertising services, Banking, Legal services, Technical services)

Refrigerants

Stationary Energy (liquid fuels)

Stationary Energy (solid fuels)

Transport (Air)

Transport (Land and Sea)

Waste

Water

Working from home

### Non-quantified

Compost (Organic Waste)

Pallets end-of-life treatment

Barrels end-of-life treatment

## Outside emission boundary

### Excluded

N/A

## 4. EMISSIONS REDUCTIONS

### Emissions reduction strategy

Cullen Wines commits to reduce measured scope 1, 2 and 3 emissions by 15% by 2030, from a FY2023 base year.

Scope 1 emissions will be reduced as follows:

- By 2030 Cullen Wines will swap to electric forklifts and save around 4500L in gas usage per year, which is a 0.8% saving on FY2023 emissions.
- By 2030 Cullen Wines will swap out all gas to induction in the restaurant kitchen and save 1.2% a year on FY2023 emissions.
- By 2030 Cullen Wines will change all hot water to solar, removing our gas infrastructure and save an additional 1.2% a year on FY2023 emissions.

Although Cullen wines has no Scope 2 emissions, controlled electricity consumption will be reduced as follow:

- By 2030 Cullen Wines will double its solar installation and save around 43,000 kWh of energy use, this will equate to 3% total emissions savings a year on FY2023 emissions.

Scope 3 emissions will be reduced as follows:

- By 2030 Cullen Wines will commit to using only lightweight glass SKU's for all wine products. This will save 22 tons of glass annually with embodied emissions of 20 ton CO<sub>2</sub>/E, a saving of 2.5% a year on FY2023 emissions.
- Advertising services is the largest of our emissions sources at 40.2 tCO<sub>2</sub>e, Cullen Wines are going to disaggregate this spend into specific types of advertising (Facebook, print media, radio etc) in FY24 and assess which types of advertising have the lowest emissions so that we can focus on lower emissions advertising sources. Using the method we plan to save a further 5% of total emissions.
- Cullen Wines is also converting all freight to the East of Australia to be rail freight which will save a further 1-2% of total emissions.

Cullen Wines also plans to aim for 50% of all suppliers to be Climate Active certified by 2030.

## 5. EMISSIONS SUMMARY

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

NA

### Emissions summary

The electricity summary is available in the Appendix B. Electricity emissions were calculated using a market-based approach.

Emission category	Scope 1 emissions (tCO <sub>2</sub> -e)	Scope 2 emissions (tCO <sub>2</sub> -e)	Scope 3 emissions (tCO <sub>2</sub> -e)	Total emissions (tCO <sub>2</sub> -e)
Accommodation and facilities	-	-	1.33	1.33
Cleaning and Chemicals	-	-	1.34	1.34
Construction Materials and Services	-	-	36.17	36.17
Electricity	-	-	-	-
Food	-	-	11.96	11.96
Horticulture and Agriculture	-	-	132.38	132.38
ICT services and equipment	-	-	3.27	3.27
Machinery and vehicles	-	-	44.12	44.12
Office equipment & supplies	-	-	4.00	4.00
Postage, courier and freight	-	-	6.16	6.16
Products	-	-	57.37	57.37
Professional Services	-	-	96.37	96.37
Refrigerants	6.65	-	-	6.65
Stationary Energy (liquid fuels)	65.41	-	16.55	81.95
Stationary Energy (solid fuels)	1.61	-	0.00	1.61
Transport (Air)	-	-	27.02	27.02
Transport (Land and Sea)	8.61	-	41.16	49.77
Waste	-	-	15.94	15.94
Water	-	-	-	-
Working from home	-	-	0.37	0.37
<b>Total emissions (tCO<sub>2</sub>-e)</b>	<b>82.28</b>	<b>-</b>	<b>495.51</b>	<b>577.79</b>



## Uplift factors

N/A

## 6. CARBON OFFSETS

### Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Verified Carbon Units (VCUs)	578	100%

Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Staple quantity	Eligible quantity retired (tCO <sub>2</sub> -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 (%)
The Mai Ndombe REDD+ Project	VCU	Verra	19/05/2024	5530-241472452- <a href="#">241473218-VCU-048-</a> <a href="#">MER-CD-14-934-</a> <a href="#">01012016-31122016-1</a>	2016	-	767*	0	0	578	100%
<b>Total eligible offsets retired and used for this report</b>										<b>578</b>	
<b>Total eligible offsets retired this report and banked for use in future reports</b>										<b>0</b>	

\* Of the 767 total offsets retired in this registry entry, 578 have been used for the FY2023 organisational carbon neutral certification in this PDS, the remaining 189 are used in the FY2023 product carbon neutral certification.

**Co-benefits**

N/A



## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) summary

N/A

## APPENDIX A: ADDITIONAL INFORMATION

### Shared activities and associated emissions between certifications by the same responsible entity

Description	Stationary Energy Emissions (tCO <sub>2</sub> -e)	Products Emissions (tCO <sub>2</sub> -e)	Horticulture and Agriculture Emissions (tCO <sub>2</sub> -e)	Waste Emissions (tCO <sub>2</sub> -e)	Total Product Liability (tCO <sub>2</sub> -e)	Shared with organisation (tCO <sub>2</sub> -e)	Total to be Offset for each PDS (tCO <sub>2</sub> -e)
Product	83.56	26.26	43.04	1.61	342.53	154.46	188.06
Organisation	<b>83.56</b>	<b>57.37</b>	<b>132.38</b>	<b>15.94</b>	<b>N/A</b>	<b>N/A</b>	<b>577.79</b>

## 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 **market-based approach**

Market-based approach summary			
Market-based approach	Activity Data (kWh)	Emissions (kg CO <sub>2</sub> -e)	Renewable percentage of total
Behind the meter consumption of electricity generated	43,262	0	20%
<b>Total non-grid electricity</b>	<b>43,262</b>	<b>0</b>	<b>20%</b>
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	171,142	0	80%
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)	32,175	0	15%
Residual Electricity	-32,175	-30,727	0%
<b>Total renewable electricity (grid + non grid)</b>	<b>246,579</b>	<b>0</b>	<b>115%</b>
<b>Total grid electricity</b>	<b>171,142</b>	<b>0</b>	<b>95%</b>
<b>Total electricity (grid + non grid)</b>	<b>214,404</b>	<b>0</b>	<b>115%</b>
Percentage of residual electricity consumption under operational control	100%		
<b>Residual electricity consumption under operational control</b>	<b>-32,175</b>	<b>-30,727</b>	
Scope 2	-28,414	-27,135	
Scope 3 (includes T&D emissions from consumption under operational control)	-3,761	-3,591	
<b>Residual electricity consumption not under operational control</b>	<b>0</b>	<b>0</b>	
Scope 3	0	0	

<b>Total renewables (grid and non-grid)</b>	<b>115.01%</b>
Mandatory	15.01%
Voluntary	79.82%
Behind the meter	20.18%
Residual scope 2 emissions (t CO <sub>2</sub> -e)	-27.14
Residual scope 3 emissions (t CO <sub>2</sub> -e)	-3.59
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	0.00
<b>Total emissions liability (t CO<sub>2</sub>-e)</b>	<b>0.00</b>

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	
		(kWh)	Scope 2 Emissions (kgCO <sub>2</sub> -e)	Scope 3 Emissions (kgCO <sub>2</sub> -e)	(kWh)	Scope 3 Emissions (kgCO <sub>2</sub> -e)
Percentage of grid electricity consumption under operational control	100%					
WA	171,142	171,142	87,283	6,846	0	0
Grid electricity (scope 2 and 3)	171,142	171,142	87,283	6,846	0	0
WA	43,262	43,262	0	0		
Non-grid electricity (behind the meter)	43,262	43,262	0	0		
<b>Total electricity (grid + non grid)</b>	<b>214,404</b>					

Residual scope 2 emissions (t CO <sub>2</sub> -e)	87.28
Residual scope 3 emissions (t CO <sub>2</sub> -e)	6.85
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	87.28
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	6.85
<b>Total emissions liability</b>	<b>94.13</b>



## 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
Compost (organic waste)	Immaterial
Pallets end-of-life treatment	Immaterial
Barrels end-of-life treatment	Immaterial

### Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

## APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

### Excluded emission sources

The below emission sources have been assessed as not relevant to this organisation's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions.
2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.
3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.
4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.
5. **Outsourcing** 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.

## Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
N/A	N/A	N/A	N/A	N/A	N/A	N/A



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