



# **PUBLIC DISCLOSURE STATEMENT**

**M& B CHAMBERS (TRADING AS LAKE  
MOODEMERE ESTATE)**

**PRODUCT CERTIFICATION  
FY2024–25 (PROJECTED)**

Australian Government

# Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	M & B CHAMBERS (trading as LAKE MOODEMERE ESTATE)
REPORTING PERIOD	Financial year 1 July 2024 – 30 June 2025 Projected
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>B. Chambers</i></p> <p>Name of signatory Belinda Chambers Position of signatory partner for finance and development Date 14/1/25</p>



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

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Version 9.

# 1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	32.70 tCO <sub>2</sub> -e
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: EnergyLink Services
TECHNICAL ASSESSMENT	19/09/2024 EnergyLink Services Next technical assessment due: FY 2027
THIRD PARTY VALIDATION	Type 3 18/09/2024 Blue Environment Pty Ltd (Victoria)

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## 2.CERTIFICATION INFORMATION

### Description of product certification

This product certification is for all bottles of wine packaged and sold by M& B Chambers, trading as Lake Moodemere Estate brand.

- Functional unit: kgs of CO<sub>2</sub>-e per bottle of wine sold
- Offered as: full coverage product
- Life cycle: cradle-to-gate. A cradle-to-gate approach has been undertaken as Lake Moodemere Estate does not have control over what actions customers take with the bottles of wine at the end of product life.

The responsible entity for this product certification is M& B Chambers, trading as Lake Moodemere Estate brand, ABN 77 353 675 098.

This Public Disclosure Statement includes information for Projected FY 2024-25 reporting period.

### Description of business

Lake Moodemere Estate, located in Victoria, Australia, is a renowned winery and agricultural estate and has been awarded Top 50 Vineyards of Australia from 2021 to 2024. Situated on the picturesque banks of Lake Moodemere within the Murray River System, Lake Moodemere Estate has earned recognition as one of Australia's Top 50 Vineyards in 2021 and 2022. With a rich winemaking legacy spanning seven generations of the Chambers Family, Lake Moodemere Estate exclusively produces wines from our historic vineyard, dating back to 1886. All grapes used in its wine are produced at its own vineyards, while the wine production is outsourced to trusted third parties. This estate seamlessly combines wine production with a history rooted in the Murray River's ancient landscape.

## 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' of a product or service. These attributable processes are services, materials and energy flows that become the product or service, make the product or service and carry the product or service through its life cycle. These attributable emissions 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.

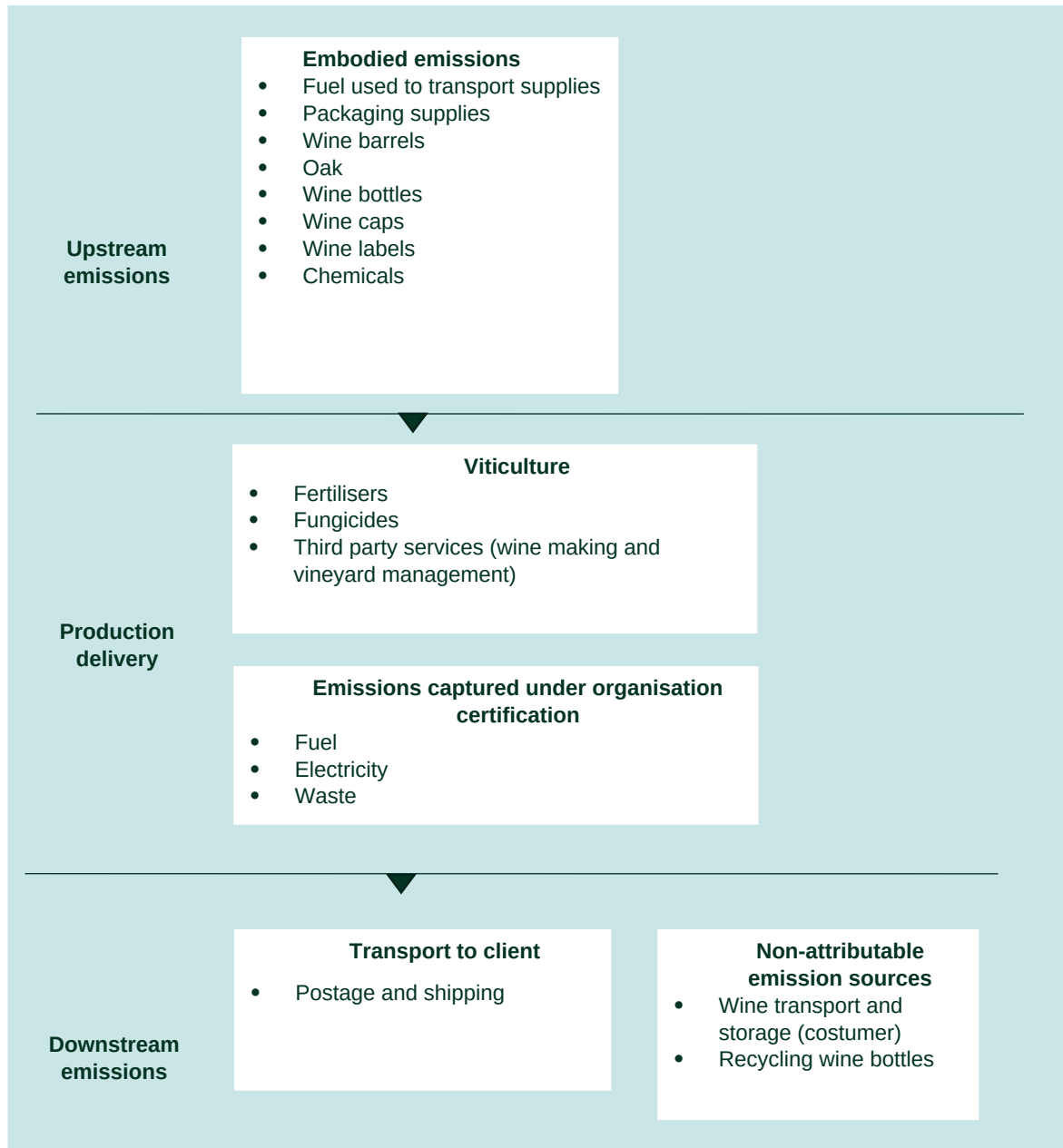
Inside emissions boundary		Outside emission boundary
<b><u>Quantified</u></b>  Horticulture and Agriculture ICT services and equipment Machinery and vehicles Postage, courier, and freight Professional services Office equipment and supplies Glass packaging Wine bottle caps Wine cardboard packaging Champagne corks Wooden pallets & wine barrels	<b><u>Non-quantified</u></b>  N/A	<b><u>Non-attributable</u></b>  Wine transport and storage (costumer) Recycling wine bottles
	<b><u>Optionally included</u></b>  N/A	

## Product process diagram

### Cradle-to-gate boundary

Lake Moodemere Winery manages its own vineyards and utilises local third-party services for winemaking and bottling. Lake Moodemere provides the wine packaging to the wine maker and then transports the bottled wine back to its cellar door for sale direct to customers who visit the vineyard or ship direct to the wine club customers. It's worth mentioning that all fuel, electricity, and waste associated to the product are accounted for under the Organisation Certification for Lake Moodemere Estate. Lake Moodemere access water from on-farm sources and distribute it using grid-electricity and fuel pumps, with both emissions captured under the organisation's certification.

The following diagram is the cradle-to-gate diagram for this certification. A cradle-to-gate approach has been taken as Lake Moodemere cannot control what actions customers take with the wine bottles and packaging waste at the end of the product life. The certification covers all upstream processing of raw materials (e.g. packaging supplies, wine barrels, oak, wine bottles, wine caps...), vineyards management, third-party services for winemaking and bottling, packaging items including production and transportation, also downstream emission related to transportation to the client. This is shown below.





## 4.EMISSIONS REDUCTIONS

### Emissions reduction strategy

In August 2021, Lake Moodemere achieved the milestone of becoming the first sustainable vineyard in Northeast Victoria and has been awarded Top 50 Vineyards of Australia from 2021 to 2024. We proudly hold certification under the Australian Wine Industry Standard of Sustainable Practice. We prioritize environmentally friendly methods in wine production and steering clear of harmful chemicals. Additionally, Lake Moodemere had already changed the wine bottles to a lighter model, which reduces the emissions generated by the bottle's material supply and the freight of the bottles (to and from the vineyard). In essence, Lake Moodemere Estate exemplifies the harmonious coexistence of farming and nature.

Lake Moodemere is dedicated to aligning carbon neutrality certification with continuous carbon reduction initiatives and projects, following the best practices outlined in the Climate Active Standard for Products. We are committed to reduce emissions in our carbon neutral certified product range by 10% per unit of bottles of wine sold by 2034 from an FY 2023/2024 base year. To achieve these emissions reductions, Lake Moodemere will implement the following measures:

**Carbon Neutral Supply Chain:** Lake Moodemere is dedicated to exploring the option of purchasing products and services that are carbon neutral within the next 3 years, thus reducing its scope 3 carbon footprint.

**Low Carbon Materials:** Lake Moodemere will explore potential materials that may have lower emissions intensity.

**Renewable Energy:** Lake Moodemere is engaging with suppliers to explore opportunities to power the business with 30% renewable and take the site off-grid and stationary diesel.

Through this proactive approach, Lake Moodemere demonstrates its commitment to sustainability and sets a positive example for others in the business community.

## 5.EMISSIONS SUMMARY

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

N/A.

### Emissions summary

Life cycle stage / Attributable process / Emission source	tCO <sub>2</sub> -e
Horticulture and agriculture	0.88
Machinery and vehicles	4.18
Office equipment and supplies	1.24
Postage, courier and freight	1.00
Products	15.61
Professional services	9.79
<b>Attributable emissions (tCO<sub>2</sub>-e)</b>	<b>32.70</b>

Product / Service offset liability	
Emissions intensity per functional unit	1.97 kg CO <sub>2</sub> -e/bottle
Emissions intensity per functional unit including uplift factors	N/A
Number of functional units covered by the certification	16,608 Bottles
<b>Total emissions (tCO<sub>2</sub>-e) to be offset</b>	<b>32.70</b>

## 6. CARBON OFFSETS

### Eligible offsets retirement summary

#### Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Verified Carbon Units (VCUs)	33	100%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
April Salumei REDD Project	VCU	Verra	14 June 2024	<u>16704-788911681-788911808-VCS-VCU-352-VER-PG-14-1122-01012013-31122013-0</u>	2013	128	0	0	33*	100

\*Note: A total of 128 offsets were applied: 95 to the Organisation certification and 33 to the Product certification.

## Co-benefits

Deep within the East Sepik Province of Papua New Guinea is TEM's April Salumei REDD Project. A combined area of 603,712 h.a. the landscape is defined by forested land on mineral soils. The project area is thriving with both traditional culture and extraordinary levels of biodiversity.

Located within a Forest Management Area designated for timber production by the Papua New Guinean Forest Authority, the project area was facing a very material threat. The carbon finance attracted through verified carbon unit revenues offers Indigenous landowners a form of income based on the carbon storage and ecosystem services provided by the forest, rather than through the short-term royalties that flow from logging concessions. Conserving the forest and its carbon stocks avoids significant volumes of carbon emissions.

Our project aims to improve the overall wellbeing of local communities, support sustainable agricultural development, provide access to employment, healthcare, education, and infrastructure, all while preserving the rich cultural traditions and customs of the Indigenous owners.

The projects meet the following Sustainable Development Goals:



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## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) Summary

N/A

## APPENDIX A: ADDITIONAL INFORMATION

N/A.

## APPENDIX B: ELECTRICITY SUMMARY

The electricity consumed by the wine production of M & B Chambers, trading as Lake Moodemere Estate, is captured and offset under Climate Active Organisation Certification.

## APPENDIX C: INSIDE EMISSIONS BOUNDARY

### Non-quantified emission sources

The following emissions sources 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		Justification reason
N/A		N/A

### Excluded emission sources

Attributable emissions sources can be excluded from the carbon inventory, but still considered as part of the emissions boundary if they meet **all three of the below criteria**. An uplift factor may not necessarily be applied.

1. A data gap exists because primary or secondary data cannot be collected (**no actual data**).
2. Extrapolated and proxy data cannot be determined to fill the data gap (**no projected data**).
3. An estimation determines the emissions from the process to be **immaterial**.

There are no excluded sources in the emission boundary.

### 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 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.

1. **Size** The emissions from a particular source are likely to be large relative to other attributable emissions.
2. **Influence** The responsible entity could influence emissions reduction from a particular source.
3. **Risk** The emissions from a particular source contribute to the responsible entity's greenhouse gas risk exposure.
4. **Stakeholders** The emissions from a particular source are deemed relevant by key stakeholders.
5. **Outsourcing** The emissions are from outsourced activities that were previously undertaken by the responsible entity or from outsourced activities that are typically undertaken within the boundary for comparable products or services.

## Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Wine transport and storage (costumer)	N	N	N	N	N	<p><b>Size:</b> The emissions source is immaterial.</p> <p><b>Influence:</b> We do not have the potential to influence the emissions from this source.</p> <p><b>Risk:</b> There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest.</p> <p><b>Stakeholders:</b> The exclusion of the category by deeming it as irrelevant due to it being outside the gate.</p> <p><b>Outsourcing:</b> The wine transportation and storage are done by the consumers, and they are not outsourced by Lake Moodemere.</p>
Recycling wine bottles	N	N	N	N	N	<p><b>Size:</b> The emissions source is immaterial.</p> <p><b>Influence:</b> We do not have the potential to influence the emissions from this source.</p> <p><b>Risk:</b> The bottles are recyclable residues, rendering their risk as irrelevant.</p> <p><b>Stakeholders:</b> The exclusion of the category by deeming it as irrelevant due to it being outside the gate.</p> <p><b>Outsourcing:</b> The disposal of bottles is done by the consumers, and it is not outsourced by Lake Moodemere.</p>



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