



# **PUBLIC DISCLOSURE STATEMENT**

ROSS HILL WINE GROUP

PRODUCT CERTIFICATION  
FY2024–2025

Australian Government

# Climate Active Public Disclosure Statement

ROSS HILL  
ORANGE NSW AUSTRALIA



An Australian Government Initiative



|                          |                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NAME OF CERTIFIED ENTITY | Ross Hill Wine Group                                                                                                                                                                                                                                                                                                                                 |
| REPORTING PERIOD         | Financial Year - 1 July 2024 – 30 June 2025<br>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></p> <p>James Robson<br/>Owner</p> <p><u>24/8/26</u></p> |



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

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Version 10.

# 1.CERTIFICATION SUMMARY

|                        |                                                                                    |
|------------------------|------------------------------------------------------------------------------------|
| TOTAL EMISSIONS OFFSET | 168 tCO <sub>2</sub> -e                                                            |
| CARBON OFFSETS USED    | 100% VCUs                                                                          |
| RENEWABLE ELECTRICITY  | N/A                                                                                |
| CARBON ACCOUNT         | Prepared by: Pangolin Associates                                                   |
| TECHNICAL ASSESSMENT   | 19/12/2023<br>Pangolin Associates Pty Ltd<br>Next technical assessment due: FY2026 |

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## 2.CERTIFICATION INFORMATION

### Description of product certification

This product certification is for all wines sold by Ross Hill Wine to their customers.

- Functional unit: 1 750mL bottle of wine sold to customer
- Offered as: full coverage product
- Life cycle: cradle to gate (from grape growing to sale to customers). Consumption of wine and end use of wine bottles and packaging is outside of the control of the responsible entity (Ross Hill Wine Group) and is excluded from this submission.

The responsible entity for this product certification is Ross Hill Wine Group, ABN 47 604 711 962.

This Public Disclosure Statement includes information for FY2024-25 reporting period.

Utilities have been included in the organisation certification. Organisation and product reports should be read together for a complete picture of the boundary considered for this certification. Ross Hill Wine Group organisation emissions are measured and offset as part of the parent organisation certification.

### Description of business

The Ross Hill Wine Group roots were firmly planted in 1994 by the Robson family, with James and Chrissy continuing the hard work, passion and dedication to produce exceptional quality and elegantly refined, cool climate Ross Hill Wines.

The Ross Hill Vineyards are both located in the Orange GI. The original vineyard is situated on the gentle north facing slopes of Griffin Rd, Orange at an elevation ranging from 750 to 850 metres. In 2008 the Wallace Lane Vineyard was planted on Mount Canobolas at an elevation of 1020 metres. Such elevation presents itself in wines that are distinctively high altitude and cool climate produce.

Covering the hills with 20.7 hectares (ha) of established vine, the wine business is able to grow the majority of the grapes used in the wines. Ross Hill white wine varieties include Chardonnay, Pinot Gris & Sauvignon Blanc, and the iconic red styles of Pinot Noir, Merlot, Shiraz, Cabernet Franc, Cabernet Sauvignon and Shiraz.

The winemaking approach of Ross Hill is to create stunning wines that demonstrate complex structures that are harmonious, rich, luscious and balanced. The 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 or pesticides used on the vineyards.

## 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.

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**).

### Outside the emissions boundary

**Non-attributable** emissions have been assessed as not attributable to a product or service. They can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim).

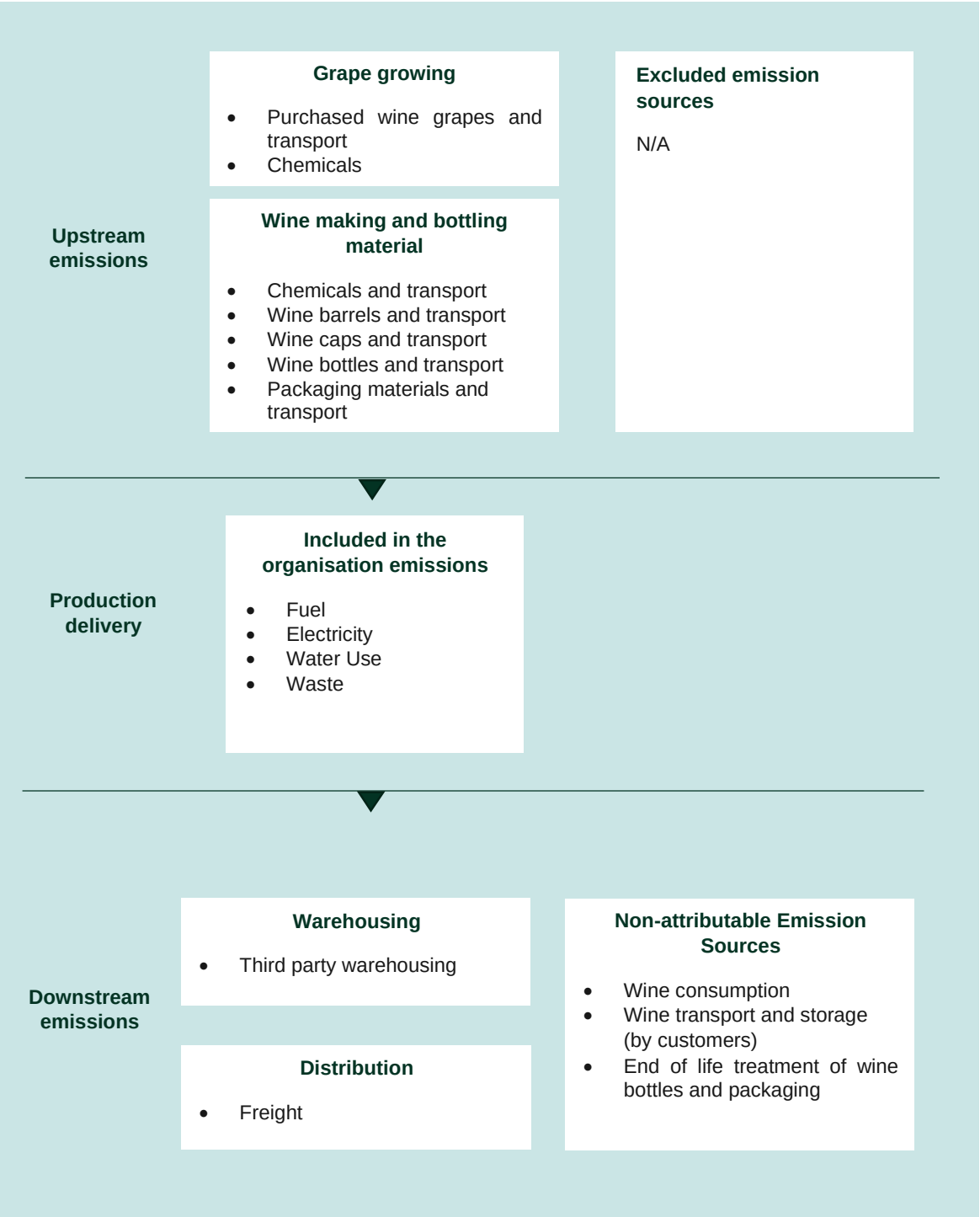
Further detail is available at Appendix D.

| Inside emissions boundary                                       |                       | Outside emission boundary                           |
|-----------------------------------------------------------------|-----------------------|-----------------------------------------------------|
| <u>Quantified</u>                                               | <u>Non-quantified</u> | <u>Non-attributable</u>                             |
| Grape purchased                                                 | N/A                   | Wine consumption                                    |
| Packaging materials                                             |                       | Wine transport and storage (by customers)           |
| Chemicals                                                       |                       | End of life treatment of wine bottles and packaging |
| Freight                                                         |                       |                                                     |
| Wine bottles                                                    |                       |                                                     |
| Wine caps                                                       |                       |                                                     |
| Warehousing                                                     |                       |                                                     |
| Wine Labels                                                     |                       |                                                     |
| Champagne corks                                                 |                       |                                                     |
| Utilities (fuel, electricity, water use and waste) <sup>1</sup> |                       |                                                     |
|                                                                 | <u>Excluded</u>       |                                                     |
|                                                                 | N/A                   |                                                     |

<sup>1</sup> Emissions associated with Production/Service Delivery (wine making) have been accounted for and offset under the organisation certification/PDS

# Product process diagram

Cradle-to-gate boundary



## 4.EMISSIONS REDUCTIONS

### Emissions reduction strategy

Ross Hill Wines commits to reduce the emissions intensity of its wine bottles, but is still defining a final emission reduction target by evaluating and implementing the following actions during FY2025:

- Improving the accounting of GHG emissions for the following activities:
  - o Freight: Work with our freight suppliers to get detailed freight reports to improve the greenhouse gas emissions accounting for upstream and downstream freight.
  - o Freight: Optimise logistics to reduce number of trips and distance travelled for wholesale customers and winery to depot.
  - o Freight: Continue to work with suppliers who are working on electrifying their fleet.
  - o Glass bottles: Investigate sourcing glass bottles with recycled content to reduce embodied carbon. We are currently investigating an Australian supplier who provides glass wine bottles with 64% recycled content.
  - o Wine barrels and pallets purchases: measure GHG emissions from total weights of barrels and pallets purchased from suppliers rather than the total expense.
  - o Packaging improvement: Transitioning to new Stelvin caps with perforation for complete removal, improving recyclability of wine bottles.
  - o Chemicals: Reduce the use of chemicals
- Collaborate with our suppliers to obtain product specific GHG emissions metrics and improve the accuracy of our GHG accounting. Ross Hill Wines will encourage its suppliers to certify their products and services as carbon neutral, which would reduce Ross Hill Wines' product emissions.

Ross Hill Wines is also committed to regenerate the natural environment where it operates. Over the next 5 years, we will plant 30 hectares of native trees and flora at our winery.

You can read our progress on [our website](#).

### Emissions reduction actions

- Tank cleaning process changed: Using sanitiser instead of water for cleaning tanks before bottling, saving approximately 8,000–10,000 litres of water annually and reducing pump energy use.
- Barrel storage process improved: Replaced sulphur/acid/water mix with sulphur tablets, saving approximately 24,000 litres of water annually and reducing energy use for pumping.
- Installed microbat boxes as part of integrated pest management, reducing chemical usage.
- Introduced Lacewings (predatory insects) for pest control, reducing reliance on pesticides.



## 5.EMISSIONS SUMMARY

### Emissions over time

| Emissions since base year |           |                           |                                                                   |
|---------------------------|-----------|---------------------------|-------------------------------------------------------------------|
|                           |           | Total tCO <sub>2</sub> -e | Emissions intensity of the functional unit (kgCO <sub>2</sub> -e) |
| Base year:                | 2014–2015 | 437.6                     | 2.36                                                              |
| Year 2:                   | 2015–2016 | 358.7                     | Confidential                                                      |
| Year 3:                   | 2016–2017 | 285.7                     | Confidential                                                      |
| Year 4                    | 2017–2018 | 388.1                     | Confidential                                                      |
| Year 5                    | 2018–2019 | 431.6                     | Confidential                                                      |
| Year 6:                   | 2019–2020 | 210.6                     | Confidential                                                      |
| Year 7:                   | 2020–2021 | 316.3                     | 1.73                                                              |
| Year 8:                   | 2021–2022 | 349.9                     | 3.13                                                              |
| Year 9:                   | 2022–2023 | 322.9                     | 2.15                                                              |
| Year 10:                  | 2023–2024 | 272.1                     | 1.36                                                              |
| Current Year:             | 2024-2025 | 167.16                    | 1.09                                                              |

### Significant changes in emissions

| Significant changes in emissions                               |                                                |                                               |                                               |
|----------------------------------------------------------------|------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Attributable process                                           | Previous year emissions (t CO <sub>2</sub> -e) | Current year emissions (t CO <sub>2</sub> -e) | Reason for change                             |
| Freight to warehouse/customer/bottles/packaging (road freight) | 65.08                                          | 34.16                                         | Reduction in litres of wine sold              |
| Glass bottles (brown)                                          | 104.76                                         | 36.47                                         | Reduction in litres of wine sold              |
| Glass bottles (white)                                          | 0.00                                           | 32.19                                         | White bottles were not sold in previous years |
| Grape purchases from other growers                             | 47.34                                          | 19.31                                         | Reduction in litres of wine sold              |

### 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 |
|---------------------------------------------------------------------------------------------------------------------|---------------------|
| Freight to warehouse/customer/bottles/packaging (road freight)                                                      | 34.16               |
| Upstream freight (Grapes to crushing, barrels, grape skin to compost, bottles, packaging, chemicals) (road freight) | 7.68                |
| Glass bottles (brown)                                                                                               | 36.47               |
| Glass bottles (white)                                                                                               | 32.19               |
| Bottle closures (aluminum screw tops)                                                                               | 15.33               |
| Labels (30% Recycled)                                                                                               | 0.70                |
| Cardboard                                                                                                           | 6.13                |
| Plastic Wrap                                                                                                        | 0.25                |
| Grape purchases from other growers                                                                                  | 19.31               |
| Chemicals                                                                                                           | 4.94                |
| Warehousing                                                                                                         | 1.12                |
| Wine barrels                                                                                                        | 1.87                |
| Pallets                                                                                                             | 7.01                |
| Cork                                                                                                                | 0.0004              |
| Utilities (fuel, electricity, water use and waste) <sup>2</sup>                                                     | 0.0                 |
| <b>Attributable emissions (tCO<sub>2</sub>-e)</b>                                                                   | <b>167.16</b>       |

| Product offset liability                                                                    |                   |
|---------------------------------------------------------------------------------------------|-------------------|
| Emissions intensity per functional unit (kgCO <sub>2</sub> -e per 1 bottle of wine (750ml)) | 1.09              |
| Emissions intensity per functional unit including uplift factors                            | N/A if no uplifts |
| Number of functional units covered by the certification                                     | 152,858           |
| <b>Total emissions (tCO<sub>2</sub>-e) to be offset</b>                                     | <b>168.00</b>     |

<sup>2</sup> Emissions associated with Production/Service Delivery (wine making) have been accounted for and offset under the organisation certification/PDS

## 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) |  | 303                                     |  | 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 |
|-----------------------------------------------------------------------------------------------------------------|---------------------|----------------|--------------|----------------------------------------------------------------------|---------|------------------------|---------------------------------------------|----------------------------------------------|-----------------------------------------|------------------------------------------------|
| Bundled Wind Power Project in Tamilnadu, India, co-ordinated by Tamilnadu Spinning Mills Association (TASMA-V2) | VCU                 | Verra Registry | 20/12/2025   | 9064-64849183-64849485-VCS-VCU-508-VER-IN-1-1353-01012017-31122017-0 | 2017    | 303                    | 135 <sup>3</sup>                            | 0                                            | 168                                     | 100%                                           |
| Offset Totals:                                                                                                  |                     |                |              |                                                                      |         | 303                    | 135                                         | 0                                            | 168                                     | 100%                                           |

<sup>3</sup> This quantity has been retired to cover Ross Hill Wins Organisation certification emissions

## **Co-benefits**

The intent of the project is to reduce GHG emission and promote sustainable development by use of renewable energy (Wind) for generation of power by bringing together a number of investors with small power requirements to invest into wind turbines. It increases “collective bargaining” capacity with the Wind Turbine Generator (WTG) suppliers, pooling resources together to obtain CDM benefits, power purchase agreements, infrastructure support etc. The project has a high degree of complexity due to large number of investors / WTGs with different size, capacity, location, make, purpose, etc.

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) Summary

N/A

## APPENDIX A: ADDITIONAL INFORMATION

N/A

## APPENDIX B: ELECTRICITY SUMMARY

Ross Hill Wine Group electricity emissions are measured and offset as part of the parent 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.

An uplift factor must be applied to account for emissions sources which are estimated to be material, but not practical to measure (such as no actual or projected data).

| Relevant non-quantified emission sources | Justification reason |
|------------------------------------------|----------------------|
| N/A                                      | N/A                  |

### Data management plan for non-quantified sources

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



## 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 (less than 1% of emissions)**.

If an emissions source is determined to be material (but does not have actual or projected data), it cannot be excluded and must be considered as a non-quantified emissions source.

Please provide justification regarding each excluded emissions source:

| Emissions Source | No actual data | No projected data | Immaterial | Justification |
|------------------|----------------|-------------------|------------|---------------|
| N/A              | N/A            | N/A               | 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.

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 (customers)            | Y    | N         | N    | N            | N           | <p><b>Size:</b> Transport emissions could be significant but data to measure customer pick-up is unavailable.</p> <p><b>Influence:</b> We do not have the potential to influence the emissions from this source, because customers control the choice of mode of transport and distance travelled to stores.</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> Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our product.</p> <p><b>Outsourcing:</b> We have not previously undertaken this activity within our emissions boundary and comparable products do not typically undertake this activity within their boundary.</p>                     |
| Wine Storage                          | N    | N         | N    | N            | N           | <p><b>Size:</b> The emissions source is likely to be close to 0 kg-CO<sub>2</sub> e/functional unit, which is not large compared to other attributable emissions.</p> <p><b>Influence:</b> We do not have the potential to influence the emissions from this source, because customers control the choice and length of storage.</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> Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our product.</p> <p><b>Outsourcing:</b> We have not previously undertaken this activity within our emissions boundary and comparable products do not typically undertake this activity within their boundary.</p> |

|                  |   |   |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|---|---|---|---|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wine Consumption | N | N | N | N | N | <p><b>Size:</b> The emissions source is likely to be close to 0 kg-CO<sub>2</sub> e/functional unit, which is not large compared to other attributable emissions.</p> <p><b>Influence:</b> We do not have the potential to influence the emissions from this source, because customers control the wine consumption.</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> Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our product.</p> <p><b>Outsourcing:</b> We have not previously undertaken this activity within our emissions boundary and comparable products do not typically undertake this activity within their boundary.</p> |
| Bottle recycling | N | N | N | N | N | <p><b>Size:</b> The emissions source is likely to be close to 0 kg-CO<sub>2</sub> e/functional unit, which is not large compared to other attributable emissions.</p> <p><b>Influence:</b> We do not have the potential to influence the emissions from this source, because customers control the disposal.</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> Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our product.</p> <p><b>Outsourcing:</b> We have not previously undertaken this activity within our emissions boundary and comparable products do not typically undertake this activity within their boundary.</p>         |

## APPENDIX E: OPT-IN PRODUCT ACTION PLAN

N/A



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