

Summary of carboNZero certification:

Kaimira Ventures Limited



Kaimira Ventures Limited meets the requirements of the carboNZero^{Cert™} certification having measured its greenhouse gas emissions in compliance with ISO 14064-1:2006 including additional life cycle emissions associated with its wine products, committed to managing and reducing its emissions and neutralised its remaining unavoidable emissions with respect to the operational activities of its organisation and its wine products.

Kaimira
VENTURES LTD

Introduction¹ – Kaimira Ventures Limited (Kaimira Ventures) is a private company, and owns a 20 hectare vineyard and winery situated in Livingston Road, Brightwater, in the Nelson Region, New Zealand. Kaimira Ventures also manages a 6 hectare vineyard at a property in River Terrace Road Brightwater, which is owned by the two Kaimira Ventures shareholders.

Since launching in 1999 the business has steadily grown and now operates a state-of-the-art winery producing the Kaimira Estate and Brightside label range of wines from estate-grown grapes and a small amount grown by a sustainability-accredited local contract grower.

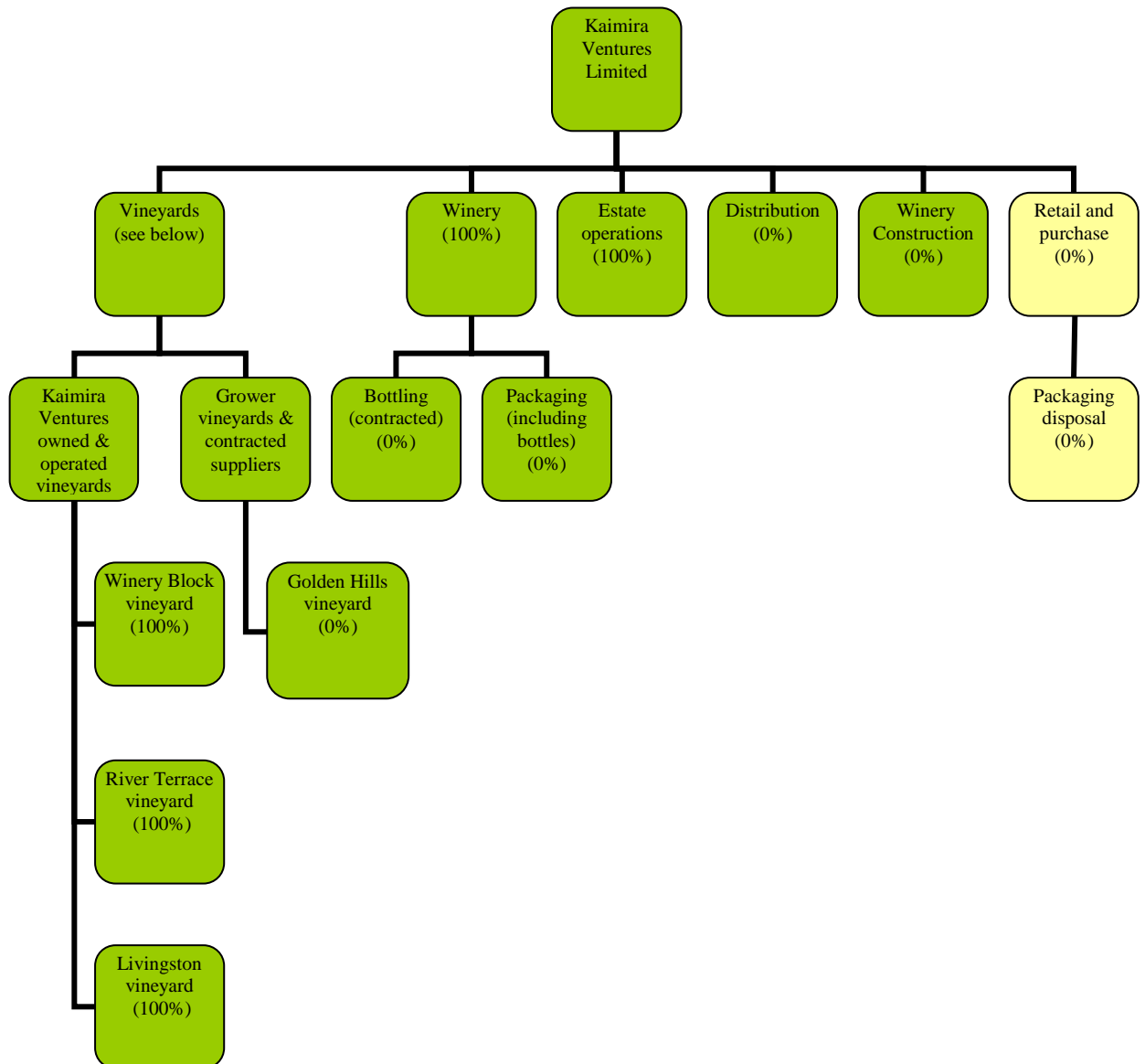
Working with the carboNZero programme and being certified as carbon neutral builds on a commitment to sustainability which has all the winery vineyards and the winery accredited under the Sustainability Winegrowing New Zealand programme.

Boundary – the diagram below shows the organisational structure used for describing Kaimira Ventures' greenhouse gas (GHG) emissions inventory, and what business activities were included in the carboNZero certification. Business activities in yellow were excluded from the certification.

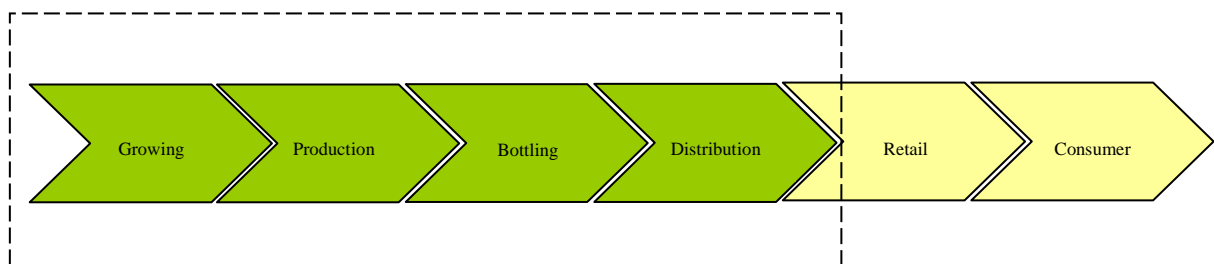
¹ **Disclaimer:** This Disclosure Statement is a summary of the verified information considered for certification and the certification decision. It should not be taken to represent the full submission for certification. While every effort has been made to ensure that the information in this Disclosure Statement is accurate and complete, Landcare Research does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information.

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The diagram below shows what has been included in this inventory for the wine product measurement, in the context of the generic life-cycle of wine products. The life-cycle stages in yellow were not included in inventory.



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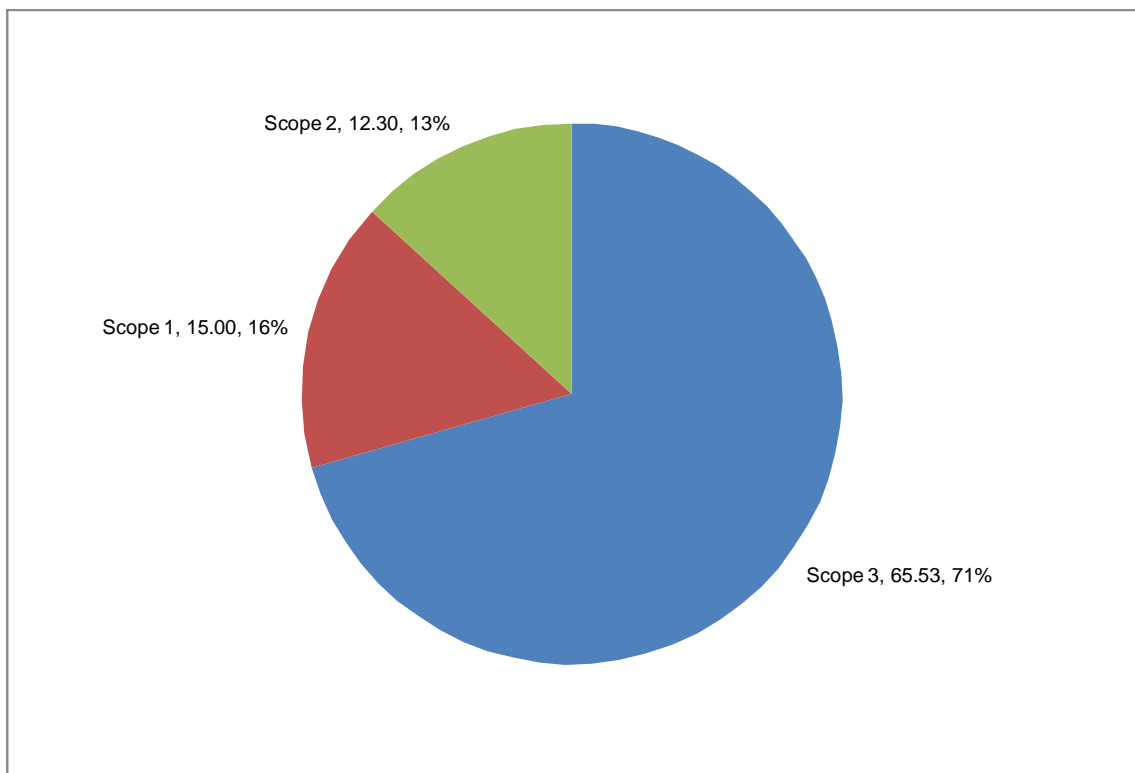
Consolidation approach – operational control

Base year – 01/04/2006 to 31/03/2007

Measurement period – 01/04/2008 to 31/03/2009

GHG emissions source inclusions – The Kaimira Ventures inventory reports use of diesel, petrol and LPG as Scope 1 operational emissions, electricity as Scope 2 operational emissions, and freight (international shipping, road), domestic and international air travel, and embodied emissions associated with the use of packaging as Scope 3 operational emissions.

GHG emissions profile – Kaimira Ventures' total operational emissions for this period were 92.84 tonnes carbon dioxide equivalents (CO₂e). These operational emissions of Kaimira Ventures comprised 15.00 tonnes CO₂e Scope 1, 12.30 tonnes CO₂e Scope 2 and 65.53 tonnes CO₂e Scope 3 emissions. The diagram below shows operational GHG emissions for Kaimira Ventures by business activity, expressed in terms of tonnes carbon dioxide equivalents (CO₂e) and the percentage of total emissions.



GHG emissions source exclusions – The following emissions sources were excluded from the inventory:

- Diesel use in contractor vehicles, as estimated emissions were below the *de minimis* of 1%

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- fermentation emissions and disposal of winery waste, in line with international best practice
- embodied emissions of dry goods used in winemaking, due to lack of activity data
- contract bottling, as estimated emissions were below the *de minimis* of 1%
- Freight (road transport) for transport of goods to the vineyards and winery, due to lack of activity data
- Waste to landfill, due to lack of activity data
- Emissions associated with the retail, customer use and waste disposal at the end of life of the product, in line with international best practice

GHG emissions reduction commitments – Kaimira Ventures has developed a GHG emissions reduction plan. Some projects in this plan include:

- Reduce emissions associated with the use of electricity by effective monitoring and analysis of usage data and developing protocols for effective use
- Reduce freight related emissions by promoting larger volume trade sales
- Reduce emissions from diesel vehicles by implementing fuel efficiency targets
- Reduce packaging-related emissions by exploring alternative packaging components

GHG emissions reduction report against last year's plan – This is Kaimira Ventures' third emissions inventory report. A comparison of operational emissions shows that there was an overall increase (49%, 30.4 tonnes CO₂e) in operational emissions across all scopes compared to the base year (2006/07), most significantly (of greatest magnitude) for Scope 2 and 3 sources of emissions, in particular electricity and embodied emissions in packaging materials. It should be noted however that there has been a significant decrease (21%) in Scope 1 emissions compared to the second reporting period.

In addition, there has been a significant increase in the scale of business operations compared to the base year: a 66% increase in vineyard area, a 47% increase in tonnes of grapes processed at the Kaimira winery, and a 41% increase in the number of bottles purchased and supplied to the winery for bottling. Overall operational emissions intensity, expressed in terms of operational emissions per tonne of grapes crushed at the Kaimira winery only increased by 1% compared to the base year, and emissions intensity at the Kaimira owned and operated vineyards decreased by 11% compared to the base year.

Offset – 81 tonnes CO₂e. Gold Standard VERs² from Meridian Energy PRE windpower³ project. Serial numbers 407150 – 407230 cancelled in the carboNZero programme register. Carbon credits were not required to offset emissions from purchased electricity because all electricity is purchased from Meridian Energy.

² VERs are created by eligible projects for emissions reductions achieved up to the end of 2007.

³ PRE - Projects to Reduce Emissions is a New Zealand government scheme for projects that are eligible under the Joint Implementation initiative of the Kyoto Protocol – see www.mfe.govt.nz.

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Verified by – carboNZero Strategic Business Unit

Threshold of materiality – excluded emissions do not exceed 5% of the total footprint for organisation and product boundary stated.

Level of assurance – reasonable assurance for the organisation, limited assurance for the product

Certification status – carboNZero certified “organisation” and wine “products”

Certificate number – 2010058J

Valid until – 30 June 2010

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