

# Summary of CEMARS certification: Palliser Estate Wines of Martinborough Ltd



*Palliser Estate Wines meets the requirements of the CEMARS™ certification having measured its greenhouse gas emissions in compliance with ISO 14064-1 and committed to reducing its emissions in respect of the operational activities of its organisation including vineyard, winery and freight to destination on the shipping note.*



**Introduction<sup>1</sup>** – Palliser Estate Wines of Martinborough Limited (Palliser Estate Wines) is a wine estate located in the Martinborough District of the Wairarapa, New Zealand.

Palliser Estate Wines' main varieties of Pinot Noir, Chardonnay, Riesling, Sauvignon Blanc and Pinot Gris are grown on six vineyards – Winery, Palliser, Pencarrow, Om Santi, Pinnacles and Clouston. Covering about 85 hectares in total, the vineyards are all on the renowned Martinborough Terrace, but have distinct differences in soil type and climate, which helps to add complexity to their wines.

Palliser Estate Wines has an environmental policy that states it is committed to producing wines of the highest quality through environmentally sustainable practices. Palliser Estate Wines is also certified to the international environmental standard ISO 14001, is a member of the Sustainable Winegrowing scheme that promotes (and audits for) economically and environmentally sustainable vineyard management.

Each financial year, Palliser Estate Wines produce a triple bottom-line report, which covers their financial, social and environmental performance.

**Boundary** – the diagram below shows the organisational structure used for describing Palliser Estate Wines' greenhouse gas (GHG) emissions inventory, and what business units were included in the CEMARS certification.

**Consolidation approach** – operational control

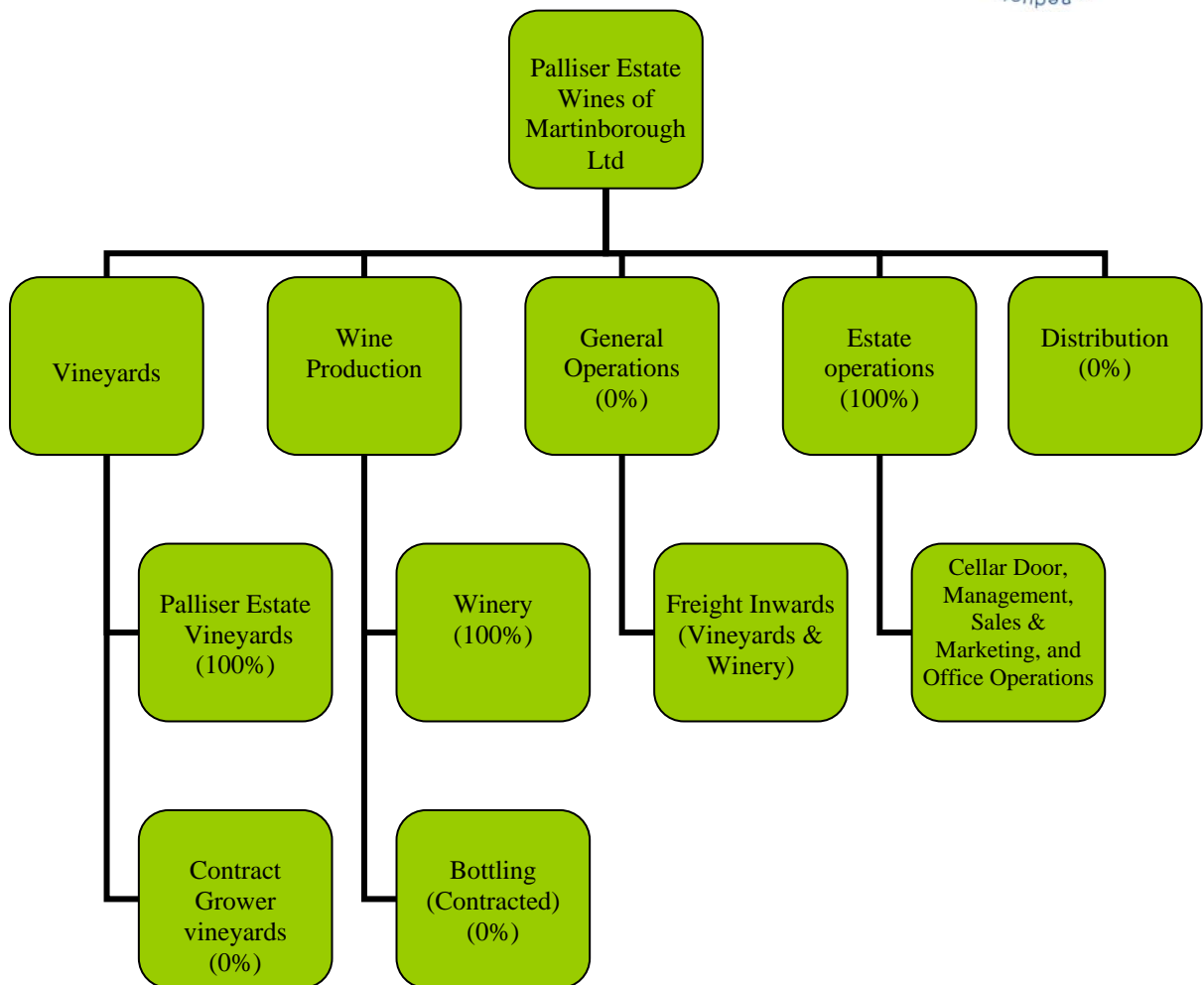
**Base year** – 01/07/2006 to 30/06/2007

**Measurement period** – 01/07/2007 to 30/06/2008

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<sup>1</sup> **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.

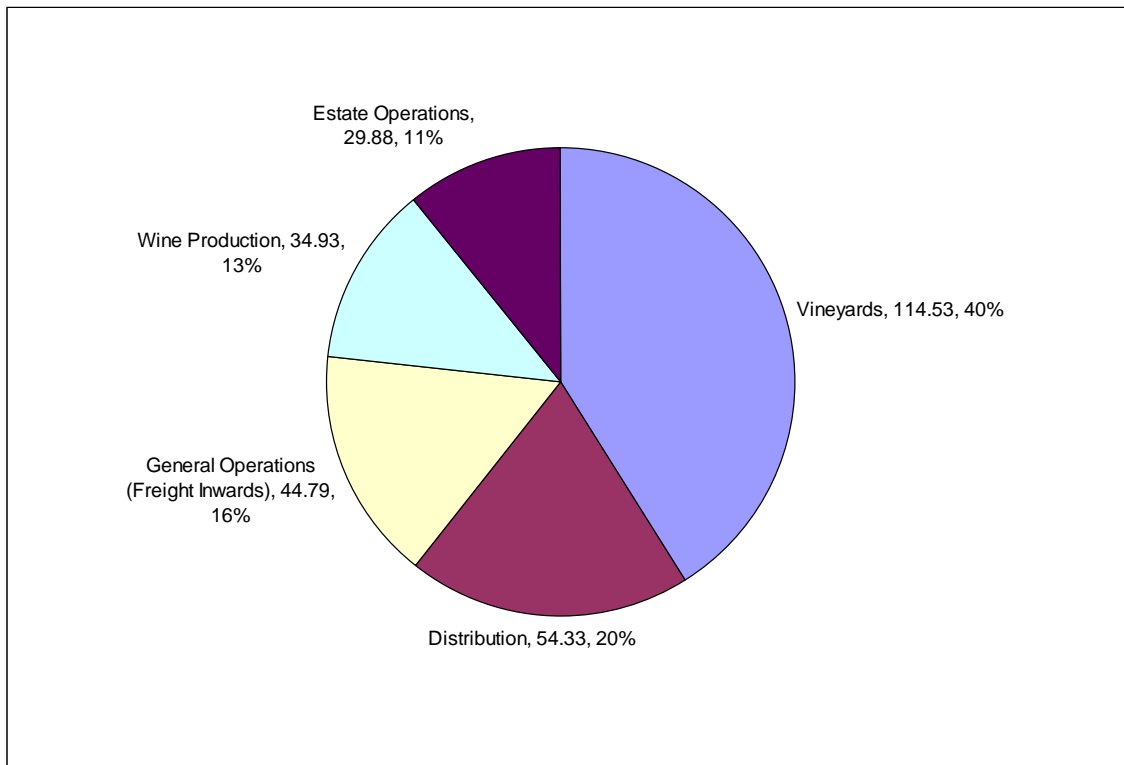
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**GHG emissions source inclusions** – the Palliser Estate Wines inventory reports diesel, petrol, LPG and fertiliser use as Scope 1 emissions, electricity as Scope 2 emissions, freight (international air, international shipping, and road), international and domestic air travel, accommodation, public transport (bus, train), reimbursed vehicle travel, contractor vehicle travel, contract growers, and contract bottling as Scope 3 emissions.

**GHG emissions profile** – the diagram below shows the operational GHG emissions for Palliser Estate Wines by business activity. Palliser Estate Wines’ total emissions for the 2007/08 reporting period were 277.92 tonnes carbon dioxide equivalents (CO<sub>2</sub>e) comprising 72.77 tonnes CO<sub>2</sub>e Scope 1, 34.04 tonnes CO<sub>2</sub>e Scope 2 and 171.11 tonnes CO<sub>2</sub>e Scope 3 emissions.

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**GHG emissions source exclusions** – the following emissions sources were excluded:

- Emissions associated with the construction of a new underground cellar and function centre that was undertaken during the reporting period are excluded from this inventory due to lack of detailed activity data. This will be available when construction is complete when Palliser Estate Wines will receive a report on the actual construction work undertaken
- Winery gases used in the wine making process, as they are likely to be of limited significance with respect to the total inventory
- Emissions associated with the disposal of winery waste due to lack of activity data
- Additional life cycle emissions associated with the product
- Staff commuting

**GHG emissions reduction commitments** – Palliser Estate Wines has developed a GHG emissions reduction plan. Some projects in this plan include:

- Reduce electricity consumption (per litre of wine produced) by 5%, to be achieved through various actions.
- Reduce diesel use per hectare in vineyard operations by 5%, to be achieved through various actions, including consideration of the efficiency of machinery movements.
- Reduce road freight emissions for inwards goods per case of wine by 2%, by considering the purchase of lighter weight bottles.
- Reduce road freight emissions for distributed goods per case of wine by 2%, by ensuring that the closest port is used where possible.

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**GHG emissions reduction report against base year** – In this 2007/08 reporting period, operational emissions increased by 13.55 tonnes (5%) compared to the base year (2006/07); increases occurred for the emissions sources of freight and electricity, but there were decreases in the emissions associated with diesel use, contract grower vineyards, domestic air travel, and international air travel. There has been a significant reduction (34%) in emissions intensity (tCO<sub>2</sub>e/tonnes grapes harvested) at the Palliser vineyards. Emissions intensity for Wine Production (tCO<sub>2</sub>e/1000 bottles filled) has increased by 30%; however this increase is influenced by the increase in the emissions factor for electricity between the two reporting periods: in terms of activity data, electricity per bottle filled has reduced by 1%.

**Verified by** – Verification NZ.

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

**Level of assurance** – reasonable assurance over organisation operations and limited assurance over contracted vineyard operations

**Certification status** – CEMARS certified “organisation”

**Certificate number** – 2009043J

**Valid until** – 30 September 2009.