

Summary of carboNZero certification

Tahbilk Winery (a division of Tahbilk Pty Limited) Year 3 of 3 year certificate period

Tahbilk Winery (a division of Tahbilk Pty Limited) meets the requirements of carboNZero^{Cert™} certification having measured its greenhouse gas emissions in accordance with the requirements of ISO 14064-1:2006, committed to managing and reducing its emissions and neutralised its remaining unavoidable emissions through the cancellation of an appropriate number of verified carbon credits in respect of the operational activities of its organisation.



Introduction¹ – Tahbilk is an iconic Australian family owned winery, established in 1860 and owned by the Purbrick family since 1925. Located in the Nagambie Lakes region of Central Victoria, one of the nation's premium viticultural areas, the property comprises some 1,214 hectares of rich river flats with a frontage of 11 kilometres to the Goulburn River and 8 kilometres of permanent backwaters and creeks.

The vineyard has some 200 hectares under vine which includes the rare French Rhone Valley whites of Marsanne (first planted in 1927), Viognier and Roussanne; and the Rhone reds Shiraz (first planted in 1860), Grenache and Mourvedre.

Conserving the natural environment has always been significant to the Purbrick family and their forebears. It was recognised by previous generations that we are ultimately farmers whose produce is affected by a changing climate. We now need to do our part to ensure that we are assisting to create a moderate growing climate for our product, to ensure its longevity and quality continues. As custodians of the Estate we have an environmental responsibility to leave a sustainable legacy for those family members to come.

Measuring and assessing our Carbon Footprint is integral to creating a successful sustainable business into the future.

Boundary – Figure 1 below shows the organisational structure used for describing the organisation's greenhouse gas (GHG) emissions inventory, and what business units were included in the inventory in the context of the entire organisational profile. The parts of the structure (business units) inside the dotted lines have been identified as being within this emissions inventory.

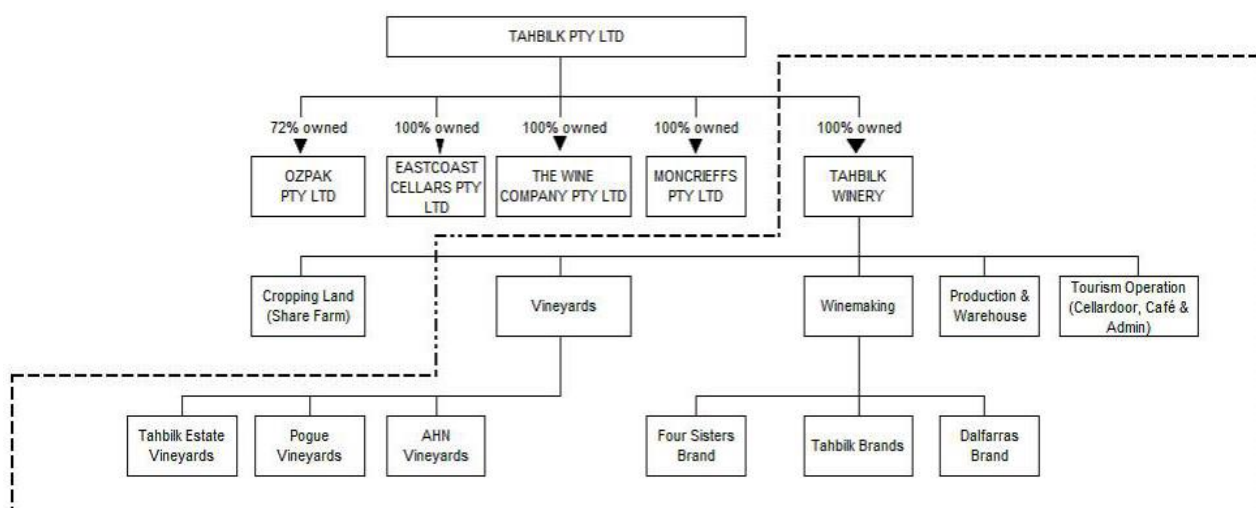


Figure 1: Organisational structure showing business units included and excluded.

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. Whilst every effort has been made to ensure that the information in this Disclosure Statement is accurate and complete, Enviro-Mark Solutions Limited 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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Consolidation approach – The operational control consolidation approach has been used to account for operational emissions with reference to the methodology described in the GHG Protocol and ISO 14064-1:2006 standards.

Base year – 01/07/2013 – 30/06/2014

Measurement period – 01/07/2018 – 30/06/2019

Emissions source inclusions – The operational GHG emissions for the organisation by emissions source are shown in Figure 2 below.

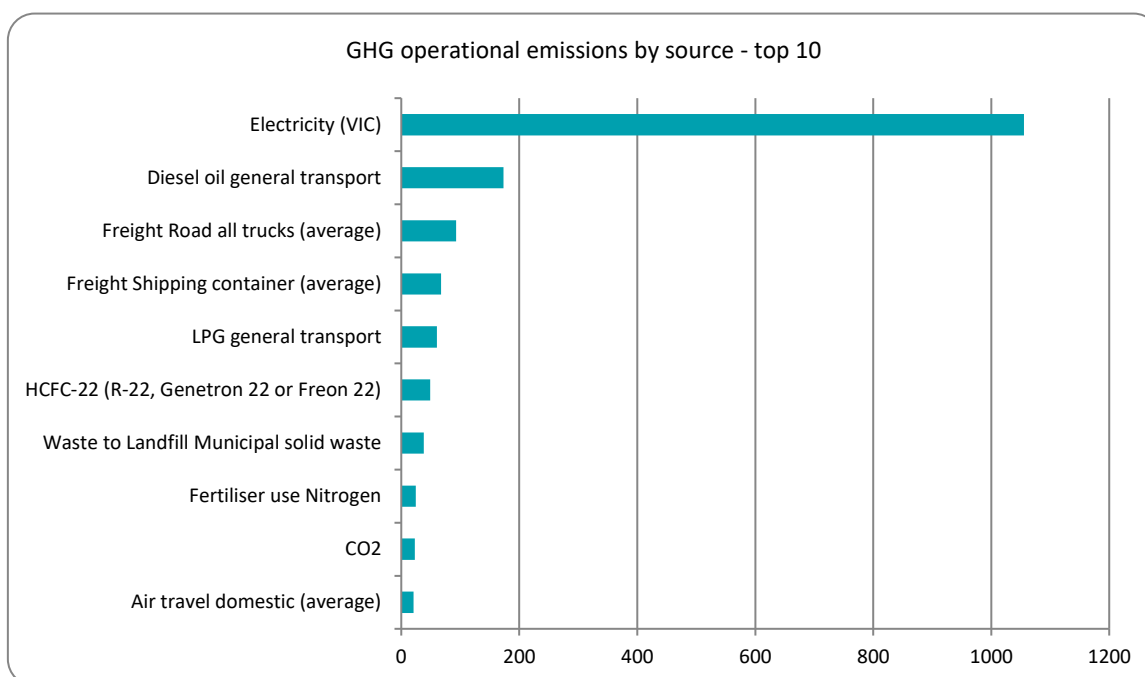


Figure 2: GHG emissions by emissions source (tCO₂e).

Emissions as tonnes of carbon dioxide equivalents (tCO₂e) for this period were:

Emissions summary by scopes		Units
Scope 1 total	339.60	tCO₂e
Scope 2 total	1,055.34	tCO₂e
Scope 3 total	229.50	tCO₂e
<i>Mandatory scope 3</i>	<i>229.50</i>	<i>tCO₂e</i>
<i>Additional scope 3</i>	<i>0.00</i>	<i>tCO₂e</i>
<i>One-time scope 3</i>	<i>0.00</i>	<i>tCO₂e</i>
Total inventory:	1,624.44	tCO₂e

Emissions source exclusions – The following emissions sources were excluded from the inventory for this measurement period:

Business unit	GHG emissions source	GHG emissions level scope	Reason for exclusion
Administration	Public Transport - Taxi (AUD\$)	Scope 3	Calculated to be <i>de minimis</i> .

Emissions reduction commitments – A GHG emissions management plan and reduction targets have been developed.

- Chiller upgrade
- Implement stage 2 solar (100kwh) on warehouse as extension to existing solar

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- Apply solar panels to the vineyard buildings
- Place more products into light weight bottles

Emissions reduction report against last year's plan – This is the sixth year of reporting under the carboNZero programme. An absolute reduction in Scope 1 and 2 emissions of 384.66 tCO₂e has been achieved against base year. A reduction in emissions intensity (for Scope 1, 2 and mandatory Scope 3 emissions) of 40.66 tCO₂e/\$M has been achieved based upon a 5 year rolling average.

Offset – 29 Luoyang LFG Project in China credits have been cancelled on the carboNZero register and will be cancelled (or equivalent) on the relevant external registry within one month of certification. Specific details of cancellation, including serial numbers, will be available on the external registry: www.cleanenergyregulator.gov.au/OSR/ANREU/Data-and-information

1,595.95 tonnes were double counted in the product footprint and were offset to achieve product certification; refer to separate product disclosure for details.

Verified by – Enviro-Mark Solutions Limited

Data quality score – High

Threshold of materiality – Excluded emissions do not exceed 5% of the total footprint within the organisation boundary stated.

Level of assurance – Reasonable

Certification status – carboNZero certified organisation

Certificate number – 2017125J, Year 3 of 3 year certificate period

Valid until – 31 October 2020