

CARBON REDUCTION INSTITUTE CASE STUDY

ZILZIE WINES

Australian Wineries and Climate Change

This case study is one of several wineries in Australia which have now taken action to combat climate change. The fragile relationship between the environment and wine production means climate change will dramatically affect the wine industry. Temperatures in most Australian wine regions are projected to increase by between 0.3 to 1.7°C by 2030, causing shorter budburst dates, earlier harvests and reduced grape quality.*

This will alter the grape growing season of many varieties and suitability of some regions, suggesting that many wineries will need to adapt their business to climate change.

*CSIRO, Oct 2006 www.csiro.au/news/ps2ei.html

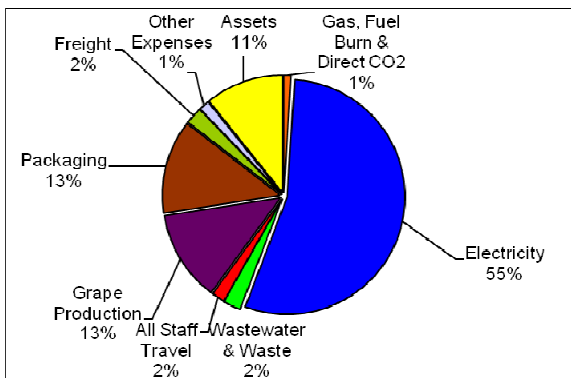


Zilzie Wines, Karadoc, VIC



Zilzie Wines is the largest winery to have its greenhouse inventory compiled by the Carbon Reduction Institute. This inventory was compiled following the Greenhouse Gas Protocol's *Corporate Accounting and Reporting Standard* and the *Greenhouse Gas Protocol for the Wine Industry* created by Yalumba Wines and Provisor Pty Ltd in 2008. The breakdown of emissions by source is shown in the figure below.

The contribution of each emission source to the production of finished wine product was analysed, which allows Zilzie to calculate the emissions per bottle of wine, per litre of bulk wine or per litre of wine that has been contractor processed.



Based on their objectives and the greenhouse inventory undertaken by CRI, Zilzie Wines was able to choose from a range of certifications including NoCO2, LowCO2 and Carbon Neutral Product certification.

Zilzie Wines has chosen to give its Buloke range of wines Carbon Neutral Product certification. The Buloke range is named after the northern most stand of endangered Bullock trees which is situated of the Forbe's family property overlooking the vineyard and winery. The family donated this land back to the Department of Sustainability and environment to protect the Buloke trees, and the natural biodiversity of the region for future gen-

Zilzie Wines is also investigating possible onsite energy efficiency measures that it can take to reduce its energy use and greenhouse footprint. The carbon credits that Zilzie Wines purchases to offset the emissions from its Buloke range are certified under the Federal Government's Greenhouse Friendly program.

'Food Miles' & Carbon Labeling

'Food Miles' is a term which refers to the distance food and beverages are transported from the time of production until reaching consumer. Tesco's in the UK recently introduced carbon labeling which shows the emissions of a product including its food miles and overall life-cycle impact.



As Tesco's sells approximately 30% of all Australian Wine into the UK, this will make the push for carbon reduction an important imperative for wine producers.

"We've been on this property for nearly a century and we didn't survive by just talking about doing things. We have to act now if we are to protect the Murray River, the environment and the planet. I want my children to grow up in an environment as clean and natural as the one I enjoyed as a young boy, which is why we're reducing our impact on climate change."

Andrew Forbes, Managing Director
Zilzie Wines Pty Ltd.



For more information about how your Winery or related business can get involved in the Low Carbon Economy, please contact:

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