

entwine australia

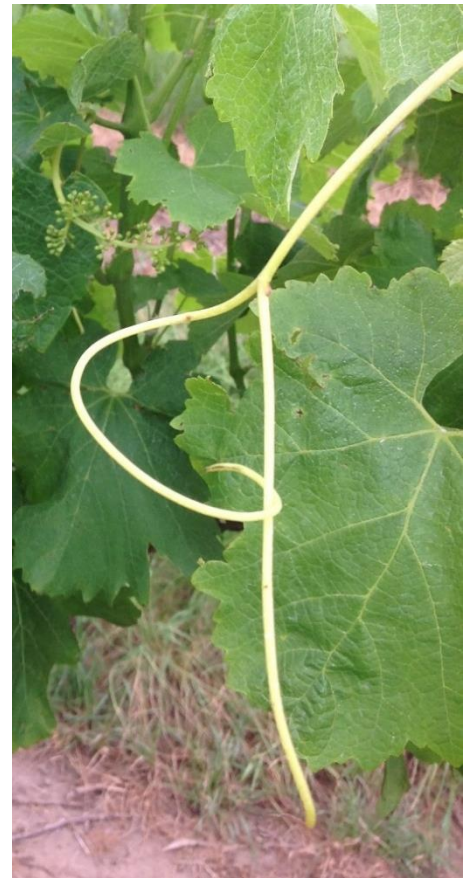
June 2016

'Refreshed' Entwine receives endorsement from the Australian wine industry's peak bodies

When the Australian Wine Research Institute (AWRI) took on the management of Entwine, the team was tasked with implementing a suite of industry recommendations to ensure that Entwine provided value to its members. This has been a significant task and I am pleased to report that the 'refreshed' Entwine has received endorsement from Wine Grape Growers Australia, the Winemakers' Federation of Australia and Wine Australia to be the principle vehicle to convey the Australian wine industry's sustainability credentials.

Entwine continues to serve as a national 'umbrella' program, providing oversight and direction for participating programs and a mechanism for national data collection. AWRI staff have been working closely with the McLaren Vale Grape Wine and Tourism Association, Freshcare Limited and also the International Organisation for Standardisation (ISO) to ensure that a unified and rigorous approach is taken to maintaining and improving the reputation of Entwine.

Entwine carries significant cachet and is recognised internationally as the Australian wine industry's mark of sustainability. The AWRI is working to enhance the prominence of Entwine and the connection amongst Entwine members, consumers and customers.



Entwine membership is **FREE** for new members in June

If you have not yet joined Entwine or have let your membership lapse for more than two years, we encourage you to join Entwine for free in June.

Join Entwine online at the AWRI website [here](#).



The Australian Wine
Research Institute

Entwine benchmarking reports enable monitoring of grape and wine business performance.

“The best thing about Entwine is that it provides measurement which brings knowledge and the capacity to make informed decisions. We firmly believe that good quality environmental outcomes are intrinsically linked to good quality economic outcomes.”



Jonathan Lord

Chief Executive Officer
Winemaking Tasmania

Renewable energy in the wine industry

For the first time, in 2014/15 vineyards and wineries reported their use of generated renewable electricity through Entwine Australia. The results showed that 11% of Entwine members were generating renewable energy.

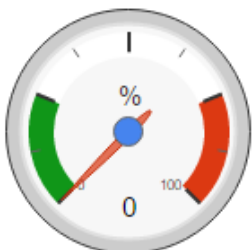
Small wineries (500-2000 tonnes) had the highest uptake of renewable energy, reporting an average of 30% of their electricity needs being supplied by renewables. Of the 43 vineyards using renewable energy, 15% generated more than 100% of their requirements. Amongst these, vineyards reported electricity generation 3 to 35 times the amount required in the vineyard.

Established in 2001, Winemaking Tasmania provides red, white and sparkling winemaking, bottling, labelling, storage, distribution and marketing consultancy services to their clients. Since 2013 they also provide specialist contract cider making services to a growing number of producers using a diverse array of premium Tasmanian hard and soft fruits that includes apples, pears, cherries, quinces, blueberries, blackberries, strawberries and apricots.

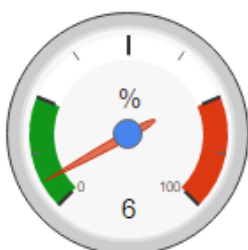
In 2016 Winemaking Tasmania processed over 1,200 tonnes of grapes and a further 500 tonnes of hard and soft fruits for cider production; with plans to more than double capacity over the next decade. Being a specialist premium contract processing facility, the winery accommodates for many diverse small batches of fruit ranging in size from 250 kilograms to 8 tonnes and more.

In early 2015, Winemaking Tasmania invested in a 400-panel solar power system which covers 630 square metres of roof area. This is supported by five 20 kW high efficiency solar inverters. The new solar power system generates approximately 146,000 kWh annually (saving around \$30,000) and to date has offset more than 100 tonnes of CO₂ equivalents through reduced power use from the grid.

On-site total



Electricity



Ranking of Winemaking Tasmania's greenhouse gas emissions per tonne of grapes crushed in 2014/15, compared to similar sized Entwine member wineries. On-site total greenhouse gases (left dial) and greenhouse gas emissions from electricity use (right dial), show that Winemaking Tasmania is the lowest ranked of all similar sized wineries for total on-site greenhouse gas emissions and in the lowest 6% of similar sized vineyards for emissions from electricity.

Entwine champions

Cumulus Vineyards, Orange NSW

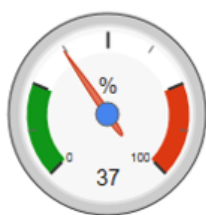


Merino sheep grazing the midrow after harvest in Orange, NSW. Photo courtesy of Martin Gransden.

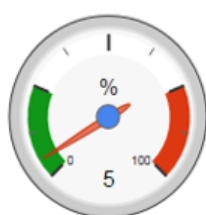
For many growers the biggest source of greenhouse gas (GHG) emissions from the vineyard is from fuel use. Using sheep to control midrow and undervine growth is one option to reduce the need for slashing and spraying and therefore reduce vineyard management costs and GHG emissions.

Cumulus Vineyards in Orange, NSW trialled the use of sheep in the vineyard to assess the impacts on vineyard inputs, especially fuel use. The results of the trial led to Cumulus Vineyards grazing sheep across their entire 508 hectares which saved two tractor passes through the vineyard per year (one for slashing and one for spraying herbicide). Cumulus Vineyards' was in the lowest 37% of similar sized vineyards for total greenhouse gas emissions and the lowest 5% of similar sized vineyards for emissions from fuel use in 2014/15.

On-site total



Fuel



Energy saving = 13.82 t CO₂-e or
= 0.03 t CO₂-e/ha.

Cost saving = \$22,860

Ranking of Cumulus Vineyards' greenhouse gas emissions in 2014/15, compared to similar sized Entwine members. Cumulus is in the lowest 37% of similar sized vineyards for total greenhouse gas emissions and the lowest 5% of similar sized vineyards for emissions from fuel use.

To read the full results and for more information about sheep grazing in vineyards, visit the [AWRI website](#)

If you are a vineyard or winery business committed to enhancing your sustainability, you could be the next featured Entwine champion. Email the Entwine team at helpdesk@awri.com.au

Understanding the business of sustainability in Langhorne Creek

It has often been observed that vineyard and winery businesses which invest in the maintenance and improvement of their environmental assets tend to be more sustainable over the long term. A new partnership between the AWRI and agribusiness lender, the National Australia Bank, will support a pilot study to improve understanding of the relationship between environmental performance and business resilience. Over the next eighteen months, the AWRI will work closely with Entwine members in the Langhorne Creek wine region, South Australia, to understand how their businesses benefit from investment in natural resource capital. The AWRI will develop a number of case studies to assist others to understand and adopt sustainable practices to benefit their vineyard and wine businesses.

International Award of Excellence in Sustainable winegrowing

The Botanical Research Institute of Texas (BRIT) sustainable winegrowing award attracts progressive and passionate wine organisations from around the world that are taking a leading role in 'ground to glass' sustainable programs. The competition is based on the continual improvement of the three tenets of sustainability - environment, economic, and social - and wine taste.

The 2017 competition begins 1 July, 2016 and has a submission deadline of 25 October, 2016. The winners will be selected and notified in January, 2017. Platinum, gold, silver, and bronze-level medals will be awarded to top-placing wineries.

The competition's overall winner will be presented with BRIT's International Award of Excellence in Sustainable Winegrowing in Fort Worth in March, 2017, during the Fort Worth Food and Wine Festival. Further information can be accessed online [here](#).

Contact the AWRI for support

The Australian Wine Research Institute provides technical support for Australia's grapegrowers and winemakers. This service is free and confidential. Visit the AWRI website [here](#) or contact the AWRI helpdesk on 08 8313 6600 or helpdesk@awri.com.au.

Workshops

The AWRI is presenting a workshop, 'W09 Entwine Australia' at the Australian Wine Industry Technical Conference (AWITC) in July. This workshop is free to attend by AWITC participants however, numbers are strictly limited.

Register for the AWITC [here](#).



2016 workshop schedule:

24 July – Australian Wine Industry Technical Conference
August - Coonawarra

For dates and details of the workshops, check the AWRI events calendar [here](#).

Webinars

The AWRI will be hosting a series of sustainability webinars in July. Watch out for the announcement in the [AWRI eNews](#). Don't currently receive eNews?

Sign up to receive eNews [here](#).