Entwine at a glance

- Entwine is the Australian wine industry’s sustainability program – supporting Australian wine-grape growers and winemakers to demonstrate and improve their sustainability.
- In 2014/15 Entwine had more than 600 members representing approximately 30% of the Australian wine-grape vineyard area and 30% of the Australian crush.
- Entwine members report sustainability metrics annually and participate in an approved certification program.
- Entwine datasets are analysed at the individual, regional, zone, state and national level to compare business performance and to identify opportunities for improvements.
- Entwine is endorsed by the industry peak bodies Wine Grape Growers Australia, the Winemakers’ Federation of Australia and Wine Australia as the principle vehicle to communicate the sustainability credentials of the Australian wine community.
- There are significant opportunities to enhance the reputation of Australian wine by leveraging Australia’s sustainability credentials.

Metrics

Entwine members submit a suite of business metrics on an annual basis and are able to tailor benchmarking reports filtered by region, state, climatic zone and enterprise scale.

### Vineyard members
- Tonnage of grapes produced
- Production system (conventional, organic, biodynamic)
- Area under vine
- Electricity purchased
- Electricity generated
- Total water use
- Total nitrogen applied
- Total petroleum used
- Total diesel used
- Total LPG used
- Irrigation type
- Irrigation source
- Use of contractors
- Vineyard floor management
- Biodiversity area

### Winery members
- Tonnage of grapes crushed
- Winemaking processing & packaging volumes
- Total winery water use
- Total wastewater generated
- Winery wastewater treatment
- Total solid waste produced
- Solid waste treatment
- Electricity purchased
- Electricity generated
- Total natural gas used
- Total petroleum used
- Total diesel used
- Total LPG used
- Winemaking CO₂
- Synthetic refrigerants
- Biodiversity area

Benchmarking

Example metrics from an Entwine benchmarking report. The dials indicate the member’s ranking as a percentage of the comparison group (e.g. others in the same region and same size) for each metric either per hectare (vineyards), per tonne (vineyards and wineries) or per KL finished wine (wineries). The left dial shows a ranking of 69%, that is, the member is in the highest 31% of members for their on-site total greenhouse gas emissions. The dial on the right shows a ranking of 31% for water use, that is, the member is in the lowest third of the comparison group.

**Entwine members can identify opportunities to improve performance and to save $**

### Comparison of vineyards’ GHG emissions

The on-farm emissions (fuel and electricity) from Entwine member vineyards over three years were compared to other vineyards and perennial crops. Emissions from Entwine member vineyards were comparable to Spanish and Italian vineyards (less than 1 TCO₂e/ha) and lower than citrus and olives.

For more information about Entwine, visit [www.entwineaustralia.com.au](http://www.entwineaustralia.com.au) or contact the AWRI helpdesk by telephone (08) 8313 6600 or email helpdesk@awri.com.au.