



TREASURY
WINE ESTATES



CLIMATE CHANGE

TWE acknowledges the challenge posed by climate change and the action needed to avoid increasing the concentration of greenhouse gases in the earth's atmosphere.

Our Approach

TWE recognises the significance of our responsibilities in reducing our carbon emissions and looks for opportunities to achieve responsible carbon management across the Company's supply chain.

TWE also recognises that climate change presents a risk to business sustainability, particularly in relation to regulatory changes and the impact of changing climatic conditions on our vineyards.

Consequently, we have been investing in climate change mitigation and adaptation research for over a decade and we are continually implementing findings and adapting practices to suit the changing conditions.

Key Achievements

Over time TWE has improved energy efficiency by 27.5% with a reduction in energy used per 9LE wine produced from 12.65 to 9.17 MJ/9LE¹. This is largely due to changes in the Company's production footprint, improved infrastructure, research partnerships and a greater application of energy saving technology.

In the vineyard, TWE has implemented irrigation strategies, aiming to use the minimum amount of resources required to grow crops. TWE has invested in multi-row equipment to both increase operational efficiency and reduce fuel use. In select company owned wineries, TWE has installed renewable energy to help power these sites.

27.5%

IMPROVEMENT IN ENERGY
EFFICIENCY¹

To reduce the impacts of vintage compression on wineries, TWE has developed alternative agronomic practices, including delayed pruning, which has allowed vineyards to delay harvest; and improved canopy and vine architecture so that grapevines are more resilient to heat stress.

¹ Measured from F14 – F17. See the Company's Annual Report for more details.





CLIMATE CHANGE

Innovation and Continuous Improvement

TWE aims to use as little resource as possible, as efficiently as possible.

This thinking drives its strong innovation and continuous improvement program, which is complemented by industry and university partnerships.

Collaborations include a partnership with University of New South Wales in a technology trial that aims to develop more accurate and timely crop forecasting, allowing producers to adjust practices according to changes in climate and the impacts on growing.

TWE wineries and packaging centres are shifting to lower intensity infrastructure and continue to invest in innovations that reduce energy use through:

- Heating, ventilation and air conditioning optimisation, including night air cooling and controls.
- Refrigeration optimisation in US sites including: pulse cooling, floating head pressure controls, counter current heat exchangers and variable drive motors.

To meet the demand of a compressed vintage time frame due to climate change, TWE has invested in mechanised harvesting, giving vineyards the capacity to harvest grapes quickly and during night time hours; and has increased winery and bottling capacity, which optimises crop and resource use.

Community & Industry Leadership

Having monitored climate impacts for over a decade, TWE contributes significantly to the wine industry's knowledge, awareness and leadership on climate change. Our involvement with Sustainability programs such as Entwine (Australia), Sustainable Winegrowing New Zealand and Napa Valley Vintners (US) drive community partnerships and collaboration. Leadership is demonstrated through:

- Partnership with South Australian Research Development Institute to examine methods to mitigate the impact of heatwaves.
- Participation in the Australian Wine Research Institute's Entwine Committee, the South Australian Wine Industry association Environment Committee and the Napa Valley Vintners trade association.
- Supporting carbon sequestration in local communities through tree planting programs and the management of dedicated native vegetation spaces in the company owned sites.

Find out more

LINKS AND OTHER RESOURCES:

For more information please refer to TWE's Annual Report and the company website: TWEglobal.com

For Corporate Responsibility queries please contact CSRprogram@tweglobal.com

For Investor queries please contact investors@tweglobal.com

