Wine Australia

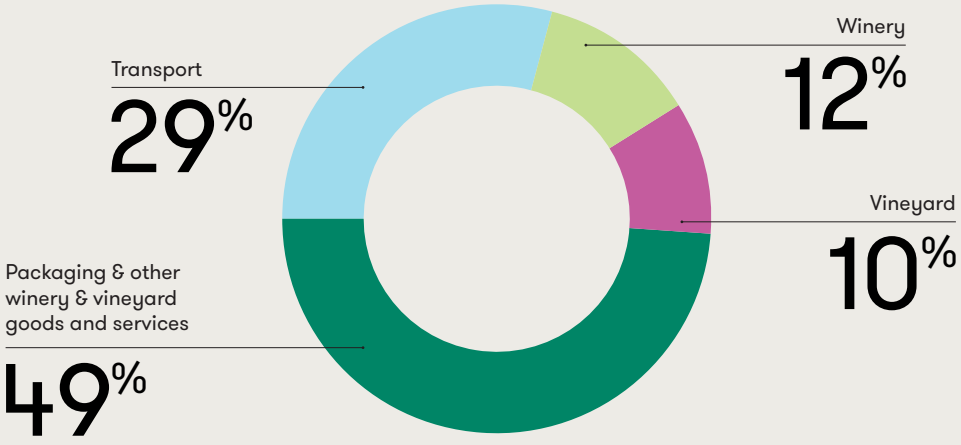
Emissions Reduction Roadmap



The Australian grape and wine sector currently emits roughly the same emissions as a full jet plane doing 609 laps of the world, on an annual basis.

Where are our emissions?

The Australian grape and wine sector's emissions footprint can be broadly broken down into four key categories:



Our Emissions Reduction Roadmap aims to reduce wine sector emissions by 42 per cent by 2030, from a 2021 baseline.

We have identified and modelled 11 initiatives we can adopt collectively to achieve this:

Opportunity #1

Grid decarbonisation

Transition to renewable grid electricity according to Australian state government targets

Opportunity #2

Increased use of lightweight bottles

Utilising reduced weight 750ml glass bottles for wine glass bottling

Opportunity #3

Reduced emissions road transport

Reduction of transport emissions throughout the supply chain by using zero emissions energy sources

Opportunity #4

100 per cent renewable electricity purchase

Purchase of renewable energy in the vineyard and wineries

Opportunity #5

Lower energy demand glass production

Reduced-energy glass manufacturing as an alternative to gas-fired glass production

Opportunity #6

Reduced emissions shipping

Reduced impact of shipping wine to international markets through the use of more energy efficient fuels

Opportunity #7

Supply chain decarbonisation

A reduction in supply chain emissions as grape and wine supply chain businesses seek to reduce their emissions

Opportunity #8

On-site solar generation

Generation of electrical energy on site from solar panels

Opportunity #9

Electrodialysis units for cold stabilisation

Reduction in winery electricity usage and an alternative to cold stabilisation across larger wine production sites

Opportunity #10

Electrification of diesel-powered vineyard irrigation systems

Converting water pumps from fossil fuel to electric

Opportunity #11

Flotation for juice clarification

Reduction in winery electricity usage and an alternative to cold settling

Start or continue your decarbonisation journey today with the Emissions Reduction Roadmap

DOWNLOAD