DE BORTOLI WINERY

Small Medium Enterprise

100 kW Solar PV

AT A GLANCE

THE CHALLENGE

- Looking to become more sustainable
- An urgent imperative to adopt environmentally sustainable practices, through the adoption of renewable energy
- Looking to reduce electricity costs

THE SOLUTION

- The install and commission of a ground mount 100 kW Solar PV system

THE IMPACT

- Achieved an annual saving of $40,000 on their current tariff per year
- Annual Greenhouse Gas Emission reduction of 139 metric tonnes of C02 per year
- 60% grid derived energy reduction

THE CHALLENGE

Over the past few years De Bortoli Wines has changed their thinking and approach to growing grapes and making wine. Climate change has brought with it an urgent imperative to adopt environmentally sustainable practices. De Bortoli's future lies in looking after the health of our soils and plants and carefully managing precious water resources. The Winery is seriously committed to this new approach going beyond mandatory requirements. They are adopting a wide range of innovative programs and practices including; Water management, biological farming, adoption of renewable energy at a number of their vineyards, and a careful overhaul of the company's packaging and waste management practices. The ultimate – and achievable – goal is to be a 'Zero Waste Wine Company'. While sustainability is primary motivation, their current electricity tariff increase in 2018 of over 100% also provided significant incentive.

THE SOLUTION

Focusing on Renewable Energy AEES Group was engaged to design, install and commission a ground mount 100 kW Solar PV system for the Winery restaurant at Dixons Creek. The array has been custom-designed and mounted on a 35° north facing hillside adjacent to the restaurant car park.

INSTALLED BY

aeesgroup renewable power

POWERED BY

Acacia Energy

DE BORTOLI WINERY

Small Medium Enterprise

100kW Solar PV System

THE IMPACT

Due to the profile of the restaurant load, the system is designed to have a high impact of up to 60% grid derived energy reduction. The annual saving against their current tariff will be reduced by around $40,000 per year. The Levelised Cost of Electricity (LCOE) will drop from 28.1 c/kWh to around 10 c/kWh. The high impact is enhanced by the daytime load profile of the restaurant operations. The array provides 130 MWh annual energy production, which has resulted in an a greenhouse gas emission reduction of 139 metric tonnes of C02 per year.

INSTALLED BY

aesgroup renewable power

POWERED BY

Acacia Energy