

Basic Site Energy Efficiency Measures

1) Photovoltaic Arrays

There are two solar panel arrays on the southward facing roof of a Warehouse and the Pressroom on site. These panels have the following characteristics:

- Dry Goods Warehouse:
 - 47.75kWp
 - 315m²
 - Production estimate (based on previous performance) 39 967 kWh/year
- Pressroom:
 - 96kWp
 - 630m²
 - Production estimate (based on previous performance) 81 920 kWh/year

As the arrays generate approximately 140 MWh of electricity per year this saves approx. 74 tonnes of carbon dioxide.

2) Anerobic Digestion Plant

Konings have a business arrangement with a local farm who operate an AD plant. The farm purchase spent fruit material from our pressing process for use as fuel for the digester and site purchases electricity from the farms CHP installation. The AD Plant supplies on average 75 000 kWh per week.

In combination the Photovoltaic Array and AD Plant supply approx. 70% of the sites weekly electricity needs

3) LED Lighting Replacement

All old fluorescent tubes (T12) are being systematically replaced with newer T8 or T5 tubes, to further reduce the energy demand.

4) PIR installation

PIR switches have been installed in several areas across site, to reduce wastage from 'left on' lighting and other equipment

5) Production Equipment

All fillers, rinsers and belts are checked on an shift basis to ensure no equipment is being left on unnecessarily

6) Operations review

Konings have installed water flowmeters and fuel (oil and gas) flowmeters and review water and energy use at a daily operations meeting against expected usage to highlight any anomalous results. The site leadership team review weekly energy usage ratios of water, electricity and gas / oil usage against production volumes to again ensure any unexpected increases in usage are detected early