



All Energy Pty Ltd
www.allenergypl.com.au

PYROLYSIS FACILITY

FOR POWER, HEAT AND BIO-CHAR

Client: Ecoreps Pty Ltd.

Location: Regional NSW agri-business.

Scope: Concept design, capital cost estimation and power generation equipment integration for a modular pyrolysis facility.



A basis of design and technical specification was generated to obtain vendor budget pricing for power generation and balance of plant equipment.

Integration of the pyrolysis and power generation plant with existing wine production and waste water treatment operations as well as grid export were considered. A range of technologies were considered including Organic Rankine Cycle via a thermal oil loop, recovery of heat from a thermal oxidizer via a waste heat boiler, steam turbines and syngas turbines.

All Energy Pty Ltd