

SNAPSHOT

SOLAR PV PLUS BATTERY AND BIOMASS BOILER LCOE ASSESSMENT TOOLS

Project Report Reference: 2020 – 1054

Date: 14 June 2022

Project Description

Australian Meat Processing Corporation (AMPC) members are receiving both solicited and unsolicited offers for the provision of alternative energy supply systems such as solar PV systems and biomass boilers. The offers are developed using broad assumptions for energy prices and escalation rates (e.g. CPI) and the equipment quality and functionality can be highly variable as well. Without a detailed knowledge of alternative energy supply systems, it is difficult to assess these offers on a consistent basis.

This project covers the development of Excel spreadsheet tools and the development of an AMPC service for the evaluation of solar PV (and battery) and biomass boiler projects. The work includes the development of a user guide which doubles as a training guide for AMPC staff.

Project Content

Two separate LCOE tools have been developed for the assessment of solar PV systems (with options for battery storage) and biomass boilers, to provide a comprehensive financial analysis of these renewable project offers.

A user manual was developed for each of the tools to assist in AMPC personnel training and a webinar/presentation to provide a presentation for AMPC members.

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Project Outcome

AMPC has a service for members which utilises expert developed LCOE tools for the financial analysis of solar PV and battery and biomass boiler projects.

As part of an inhouse service, AMPC will use the tools to provide members with accurate advice on the financial feasibility of solar PV and biomass boiler offers. The AMPC service will help AMPC members make an informed decisions on these types of renewable project investments which will assist in development of energy and carbon emissions management strategies.

Benefit for Industry

The AMPC service will help members to evaluate solar PV and battery and biomass boiler projects. This will reduce time spent on evaluating these projects and help senior management with decision making.

By providing insight into each offer, the tools will help to promote the value of these projects.. It may also encourage solar PV and biomass boiler providers to provide more competitive offers, and thus encourage innovation and growth in the renewable energy industry.

USEFUL RESOURCES

AMPC Web site links will become available in early 2021.

