

# Evaluation of heat plant opportunities

2pm (NZST), 12.00pm AEST, 26<sup>th</sup> September 2018

Heat plant are long term investments with economic lives often over 30 years. This means that the evaluation of technology options needs to take into account the life-cycle costs and benefits of each option.

Bioenergy Association has prepared a best practice Technical Guide for life cycle analysis of heat plant projects. This Guide is intended to provide guidance to advisers and decision makers considering installation of heat plant, and provide a methodology and tools for:

- The evaluation of the costs and benefits of the available options for heat supply over the life of a facility and the selection of the best option
- The comparative lifetime costs of heat from plant fuelled by electricity, gas, coal and biomass over the project lifetime, and
- The preparation of the financial business case for the heat project as a basis for obtaining project approvals

The standardised framework for evaluation provided in this guide will ensure that comprehensive evaluations are undertaken, while providing the basis for consistency of decision making. The Technical Guide includes an Excel based analysis tool for users, as a basis for financial and risk analysis and presentation of the results.

The lifecycle analysis is based on identification of the levelised cost of energy (LCOE) through discounted cash flow analysis of all financial aspects of the heat project, plus the identification of the non-monetary and intangible benefits of externalities.

This webinar is to workshop the draft Technical Guide <https://www.bioenergy.org.nz/resource/tg14-evaluation-of-heat-plant-opportunities> and discuss it prior to finalisation.

**The Bioenergy Association invites anyone interested in the methodology for undertaking life-cycle evaluation of heat plant to attend this webinar**

## Booking a place at the webinar

- **Bookings:** - Bookings are essential in order to connect to the GoToMeeting system. Please book your place at this event using <https://register.gotowebinar.com/register/6811266020066009601> or you can email [admin@bioenergy.org.nz](mailto:admin@bioenergy.org.nz) to be sent the link. .
- **Continuing Professional Development:** - The Bioenergy Association supports members by providing opportunities such as this webinar that contribute towards Continuing Professional Development and maintaining registration as a wood energy adviser. Contact the Executive Officer for more details at [executive@bioenergy.org.nz](mailto:executive@bioenergy.org.nz)



Mike Suggate has more than 40 years of management, commercial and technical experience gained in a wide range of energy, manufacturing and distribution businesses.

Mike has strong commercial and financial skills and a focus on project business case analysis and writing. He has applied his extensive business management and project development experience, and extensive technical expertise covering all energy and electricity technologies to advising on the commercial development of energy opportunities.

