

## Specifying and writing a business case for wood fuelled heat plant

3<sup>rd</sup> November 2016, Wellington

(Pioneer Energy meeting room, Level 1, 77-79 Taranaki St, Wellington)

These two half day courses are to assist wood energy project advisers demonstrate that they have appropriate knowledge on how to investigate and specify wood fuel heat plant, and write a business case. The courses are part of a suite of activities developed by the Bioenergy Association to provide confidence in the wood energy market.

The course is principally for wood energy advisers and owners of heat plant.

The number of boilers operating on wood fuel in New Zealand continues to grow, making good use of a sustainable fuel source and reducing emissions to air. Some boilers are new installations while others are conversions to wood from coal. Whether your boiler is a new one or a conversion it is critical for efficient operation that owners have confidence that their advisers have the appropriate knowledge and experience of wood fuel combustion. It has quite different combustion characteristics to coal.

Government has also signaled that it wishes to encourage more use of wood fuel instead of coal so we expect an increase in activity.

### Wood Energy Adviser registration

The two courses can contribute to meeting the Continuing Professional Development criteria for Bioenergy Association registration as a Wood Energy Adviser. If you are wishing to be registered you should attend this course. A number of heat plant owners are now requiring their advisers to be registered.

### The purpose of this course is for attendees to:

- Gain a good understanding of what is important when evaluating and specifying wood fueled heat plant;
- Have a good working knowledge of wood fuel classification and grading
- Understand plant design and selection to match fuel availability
- Be able to analyses project and business risk
- Be able to write a business case for a wood fueled heat plant project



## Short course programme

3 November 2016

Pioneer Energy, Level 1, 79-79 Taranaki St, Wellington

### WE3 Specification of wood fueled heat plant

10.15 -10.20	Welcome and Introduction to the Wood Energy Quality Framework	
10.20 – 10.25	Project scoping and concept development	
10.25 – 10.45	Economics and risk and getting the right team	
10.45 – 11.05	Heat demand	
11.05 – 11.25	Fuel supply	
11.25 - 11.45	Design and feasibility	
11.45 – 12.05	Plant specification	
12.05 – 12.25	Heat plant optimisation	
12.25 – 12.35	Lunch	sponsored by Azwood
12.35 – 12.55	Fuel handling	
12.55 – 1.15	Contracting	
1.15 – 1.30	Student assessment	

### WE7 Writing a business case for wood fueled heat plant

1.40 – 1.55	Principles of a good business case	
1.55 – 2.15	Confirmation of project parameters	
2.15 – 2.35	Consenting	
2.35 – 2.55	Fuel and heat market	
2.55 – 3.10	Tea break	sponsored by Pioneer Energy
3.10 –3.35	Financial analysis	
3.35 – 4.00	Risk analysis	
4.00 – 4.10	Approvals and decision making	
4.10 – 4.30	Preparation of the business case	
4.30 - 5.00	Student Assessment	
5.00	Close	

Book your place at this workshop

BANZ member registration options		
Early bird until 24 Oct	WE3 course	\$150
	WE7 course	\$150
	WE3 plus WE7 course	\$280
Standard fee after 24 Oct	WE3 short course	\$200
	WE7 short course	\$200
	WE3 plus WE7 course	\$300

Non-member registration options		
Early bird until 24 Oct	WE3 course	\$220
	WE7 course	\$220
	WE3 plus WE7 courses	\$350
Standard fee after 24 Oct	WE3 course	\$240
	WE7 course	\$240
	WE3 plus WE7 courses	\$350

**Registration Form** at: <http://www.bioenergy.org.nz/events>

Attendees of Bioenergy Association training courses will be issued with copies of the appropriate Technical Guides on "TG1 - Solid Biofuel Classification Guidelines", "TG5 Standard methods for verifying the quality of solid biofuel", "TG6 -Contracting to deliver quality wood fuel to customers", "TG10 – Consultant/specifier practice paper for Wood Fueled Industrial and Commercial Heating Systems".

The training course is supported by



Continuing Professional Development: - The Bioenergy Association supports members by providing opportunities such as this workshop that contribute towards Continuing Professional Development credits 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)

[www.bioenergy.org.nz/events](http://www.bioenergy.org.nz/events)

## Venue

Pioneer Energy  
Meeting Room, Level 1  
77-79 Taranaki St, Wellington