

14 September 2017, Tait Technology Centre, 245 Wooldridge Road, Christchurch

An annual forum for heat plant owners, operators and maintainers to share experiences and learn from each other how to optimise plant operation.

This event is for heat plant operators and maintainers to meet each other and to share experiences – good and bad. By hearing what other operators have done to ensure appropriate fuel and optimise plant it is likely that attendees will learn how of best practice to improve their own plant performance.

The forum will be structured around the challenges of fuel, air emissions, converting coal plant to use wood fuel and plant optimization. This will be achieved by talking with relevant experts and discussing their own operating problems through facilitated group discussion.

Speakers will discuss the art of working with difficult biomass fuels, drying and fuel handling and storage to get optimal heat output.

Projections on the future availability of biomass fuel for combustion will be released at the Forum

The format of the day will focus on sharing and discussion rather than sitting and listening. This will also encourage networking amongst operators so that on-going peer support can occur after the forum.

The focus of this event will be to:

- Learn best practice from the experts and other operators
- Learn by sharing experiences
- Provide the information you may not know you don't know
- Provide opportunities for equipment suppliers, plant owners, wood fuel suppliers and operators to share ideas
- Obtain ideas on problems operators would like addressed



Book your place at this workshop:

- Registration Forms at: <https://www.bioenergy.org.nz/event/heat-plant-forum-2017>

Continuing Professional Development (CPD):

The Bioenergy Association supports members by providing opportunities such as this workshop that contribute towards CPD credits and maintaining registration as a Registered Wood Energy Adviser. Contact executive@bioenergy.org.nz for more details

Forum Programme 14 September 2017

8.30–9.00	Registration	
9.00–9.05	Welcome and Introduction Brian Cox, Executive Officer - Bioenergy Association	
Key note speakers		
9.05–9.35	Co-Firing a Bark/Natural Gas Boiler with Premium Wood Pellet Fuel Scott Fairbairn – Nature’s Flame	
9.35–9.55	Optimising heat plant performance – fuel, equipment and output Martin Atkins & James Neale - Energy Research Group, Waikato University	
9.55–10.25	Tea Break	sponsored by Natures Flame
Wood fuel		
10.55–11.15	Projections of wood fuel supply until 2040 Peter Hall - Scion	
11.15–11.30	The art of contracting to buy wood fuel Tim Emson, Canterbury District Health Board	
Wood with coal		
11.30–11.55	Coal/biomass conversions’ Geoff Paynter - Taymac & Brian Anderson - Bryn Martin Ltd	
11.55–12.15	Experience of conversions and co-firing wood with coal at Dunedin Energy Centre Trevor Gerken - Pioneer Energy	
12.15–1.15	Lunch	sponsored by TAYMAC
Fuel storage and handling		
1.15– 1.35	The good, the bad and the difficult of fuel handling and storage Rob Mallinson - Living Energy	
1.35–2 00	Common problems with operating boiler plants Peter Judd – Lyttelton Engineering	
Operators and Fuel Supply Forum Sponsored by Venture Southland		
2.00 – 3.00	Attendees in facilitated groups will list the 3 most important things they have learnt about optimisation of plant operation, securing a quality fuel supply and the 3 problems that they would each like the forum to address. (Attendees are encouraged to provide their lists to the organisers prior to the event) Presentation of collated suggestions. Attendees in groups to prioritise for further coverage / education / guidance.	
3.00–3.25	Tea break	sponsored by Polytechnik Biomass Energy
3.25–3.55	Speed updates - 4 panelists share experiences of the evolving wood energy market Wood Energy South, Steve Canny - Venture Southland Update on regional air emission rules and regulations - Brian Cox - Bioenergy Association Supplying fuel in the current market – Brook Brewerton - Azwood Energy.	
Optimisation of plant		
3.55 – 4.15	Techniques for controlling emissions to air Maurice Davies - Windsor Engineering	
4.15 - 4.35	Using ORC bolt-on equipment to get additional value from your heat Christian Jirkowsky - Polytechnik Biomass Energy	
4.35 –4.55	Lean Energy – an analytical approach to thermal plant optimisation Jeff Smit - DETA Consulting	
4.55 – 5.00	Conference closing	

Forum attendee dinner

An informal dinner for Forum attendees will be held at the Sudima Hotel, Christchurch Airport at 7.00pm on the evening preceding the Forum. All attendees are welcome. Registration for the dinner is on the Forum registration form. The Dinner will be preceded by a **Strategic Wood Energy Sector Discussion** at 6pm in the Boardroom.

What are operator forums?

The Heat Plant Operator Forum is an annual Bioenergy Association event and is held so that facility owners and operators have a place to come together and learn from each other. The operator discussion sessions at the forum will be based around the questions which are on the reverse of the registration form. Attendees are encouraged to send their answers to the questions to the event organiser so that they can be collated ahead of the event and used to start the discussions. Attendees should bring copies of their answers with them as all attendees will be asked to provide their contributions to the discussion.

Who's Who of Attendees

A Who's Who of Attendees will be collated and provided to all attendees. This is designed not only to encourage networking at the event but so that attendees can follow up after the event to create support networks.

Principal forum sponsors



Forum supported by

