

Commercial Biomass Boilers Symposium

Thursday 21 July 10:45am-3:30pm, The Kelvin Hotel Level 6, Invercargill

10:45 – 11:00	Registration
11:00 – 11:15	Welcome and “Yes We Can” Wellington Symposium Recap – Stephen Canny
11:15 – 11:45	Session 1: What are the European trends and how are they relevant to Southland? – Lloyd McGinty Lloyd McGinty and Stephen Canny completed a biomass boiler workshop and European case study in late 2015. Lloyd will speak on examples of typical boiler system and distributed heat opportunities. He will also discuss the trends towards green chip, low grade fuels, heating loops and what Southland can learn from these studies.
11:45 – 12:10	Session 2: Co-firing biomass and coal – Desmond Gong, Tailored Energy Solutions This presentation will give an idea what needs to be done if using biomass fuel on existing boilers including - specification of coal and wood fuel; Combustion behaviour; Boiler type and setup; Suitability between boiler and biomass fuel; and boiler performance in terms of efficiency, output and emissions.
12:10 – 12:30	Session 3: Environment Southland Air Shed – Owen West An update on air quality in Southland and the relevant emission regulations. What are they currently? How might they change? Why is change needed?
12:30 – 12:50	Session 4: Emissions from Biomass Boilers – Lloyd McGinty Lloyd McGinty will discuss how lowered emissions can be achieved from an optimised wood boiler and outline the measured performances across a number of case studies
12:50 – 1:20	Lunch
1:20 – 1:50	Session 5: Fonterra – Tony Oosten Fonterra’s decision to co-fire and future plans for energy efficiency
1:50 – 2:10	Session 6: Ministry of Education – Gavin McKenzie Over the last couple of years, several new wood boilers have been installed in Southland schools. Gavin will discuss the lessons learnt from a state-wide perspective and the additional benefits of wood boilers on surrounding materials i.e. increasing the longevity of roofing
2:10 – 2:35	Session 7: Dunedin Energy Centre – Jonathan Suggate, Pioneer Energy What led to the decision to fire the boilers on wood including the trial and results, how it is working, emissions, and the costs of conversion.
2:35 – 2:55	Session 8: Burwood Hospital Project – Brendon Stephenson, Energy Solution Providers Brendon will speak to the Burwood Hospital project, the process of how it started, the experience of contractors involved, as well as fuel delivery and supply.
2:55 – 3:10	BioEnergy Association of New Zealand: Specifier Practise Paper Official Launch – Grant Smith
3:10 – 3:20	Wrap up and close– Stephen Canny
3:20 – 3:45	Afternoon Tea & Networking