

Commercial Biomass Boilers Symposium

Programme Itinerary	
10:45 – 11:00	Registration
11:00 – 11:15	Welcome and “Yes We Can” Wellington Symposium Recap – Stephen Canny
11:15 – 11:45	<p>Session 1: What are the European trends and how are they relevant to Southland? – Lloyd McGinty</p> <p>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. Christian will cover the merits of larger biomass boilers and mixed biomass fuels.</p>
11:45 – 12:10	<p>Session 2: Co-firing biomass and coal – Desmond Gong, Tailored Energy Solutions</p> <ul style="list-style-type: none"> - What is the difference in combustion between coal and wood and is it possible to co-fire an industrial boiler? Is there a maximum ratio of coal to wood to be considered? - What other waste fuels could be used for co-firing? (green waste, demolition waste etc? Is there a limit to what can be co-fired?) What is the impact on efficiency?
12:10 – 12:30	<p>Session 3: Environment Southland Air Shed – Owen West</p> <p>An update on air quality in Southland and the relevant emission regulations. What are they currently? How might they change? Why is change needed?”</p>
12:30 – 12:50	<p>Session 4: Emissions from Biomass Boilers</p> <p>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</p>
12:50 – 1:20	Lunch
1:20 – 1:50	<p>Session 5: Fonterra – Tony Oosten</p> <p>Fonterra’s decision to co-fire and future plans for energy efficiency</p>
1:50 – 2:10	<p>Session 6: Gavin McKenzie – Ministry of Education</p> <p>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</p>
2:10 – 2:35	<p>Session 7: Dunedin Energy Centre – Jonathan Sugget, Pioneer Energy</p> <p>What led to the decision to fire the boilers on coal including the trial and results, how it is working, emissions, and the costs of conversion.</p>
2:35 – 2:55	<p>Session 8: Burwood Hospital Project – Brendon Stephenson, Energy Solution Providers</p> <p>Christian 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.</p>
2:55 – 3:10	BioEnergy Association of New Zealand: Specifier Practise Paper Official Launch
3:10 – 3:20	Wrap up and close– Stephen Canny
3:20 – 3:45	Afternoon Tea & Networking