



**Bioenergy Association of New Zealand (BANZ)**  
in partnership with the  
**Energy Management Association of New Zealand (EMANZ)**

***"Bioenergy Opportunities Associated With Council Activities"***

**19<sup>th</sup> April 2011**

**Venue: Rydges Hotel (formerly the Holiday Inn), Wellington**

**Making the most of the bio-resource on your doorstep – this workshop is about bio-opportunities that are here and now and already in place at several locations throughout the country. The event will showcase opportunities from biogas, from liquid and solid waste - production of transport biofuels (liquid and gas); opportunities for reducing air emissions, minimising waste, and the production and use of wood fuel/pellets from council forests.**

Councils are often in the situation where they have biomass from council and community activities that could be used to produce revenue to reduce household rates. In addition many of the bioenergy opportunities in municipal areas can be used to make the community more resilient to increasing energy costs, or to be more sustainable.

Over recent years there have been new developments in many municipal bioenergy technologies and a number of councils have implemented them or are currently considering doing so. As a result there is a growing body of knowledge and experience that this workshop is aimed at drawing upon and sharing with other councils.

The biomass resources in municipal areas come from: sewage, landfills, amenity tree pruning, algae in waterways, council forestry management and harvesting, restaurant and hotel food waste, fast food cooking oil, food processing residues, dairy shed effluent, and solid refuse collection. The biomass from these resources is often wasted yet can be used with the right technology as a source of heat energy, a fuel for generation of electricity, or a feedstock for the production of transport fuel. Air emissions can be reduced by the use of wood pellets for home heating, biodiesel in trucks, and wood fuel replacing coal in industrial applications.

***Who Should Attend?*** – Bio based fuels (gas, wood and liquid fuel) have had a significant impact on those areas where someone has taken the plunge to use them. The evidence is there – bio based fuels can be economic, they are clean, they are sustainable and they can be offering more than just an alternative energy solution – they are also a waste solution in many cases.

***So do you use them? Learn from the people that do at this event.***

This event will give you a guide to what the opportunities are and why one or more of them could help your councils meet its commitment to cleaner, green living, reduce energy costs, achieve carbon reduction targets, reduce waste to landfill and minimise harmful emissions to the air. DHB's also are significant users of heat and fuel and so this event is of relevance to them too.

This event is for council staff and those they engage to undertake services. Learn from those who have implemented projects already, learn from sector experts what is possible and how. If you have a responsibility for energy, sustainability, resource management, air quality issues, this event is for you.

**Bioenergy Association of New Zealand (BANZ) and the Energy Management Association of New Zealand (EMANZ)**

***“Bioenergy Opportunities Associated with Council Activities”***

***– making the most of the bio-resource on your doorstep***

**Date : 19<sup>th</sup> April 2011 – Rydges Hotel (formerly the Holiday Inn): Wellington**

7.45 am sharp	Registration
8.15 – 8.25	<b>Conference Opening</b> Mayor of Wellington, Her Worship, Celia Wade-Brown
8.25 – 8.45	<b>Overview of bioenergy opportunities available to council activities in NZ</b> Brian Cox, BANZ Executive Officer
<b>Liquid and solid waste reduction – the Opportunities</b>	
8.45 – 9.15	<b>Feedstocks, Economics and Biogas Opportunities from Municipal Waste</b> Guenter Wabnitz, AECOM
9.15 – 9.45	<b>Biogas cogen applications in New Zealand</b> Bob Weston, ENTEC
9.45 – 10.15	<b>Energy recovery/ production from municipal wastewater and agricultural wastes.</b> Neale Hudson, NIWA
10.15 – 10.45	<b>Using waste kiwi fruit to produce energy</b> Loren Poole, Bioform
10.45 – 11.00	Tea break
<b>Transport Biofuels – the Opportunities</b>	
11.00 – 11.30	<b>‘Biofuels 101’ and the benefits of use in urban environments</b> Liz Yeaman, EECA
11.30 – 12.00	<b>The use of biogas from Redvale landfill as a truck fuel</b> Harvey Reid, DieselGas International Ltd
12.00 – 12.30	<b>Longer term NZ biofuel options, opportunities and science</b> Michael Jack, Scion Research
12.30 – 1.15	Lunch
<b>Wood Fuel – the Opportunities</b>	
1.15 – 1.45	<b>The A-Z of wood pellets opportunities in municipal areas</b> Peter Kernohan, Natures Flame
1.45 – 2.15	<b>Wood fuel pellets – use to dry sewage sludge</b> Dave Bassett, Kapiti Coast District Council
2.15 – 2.45	<b>Wood energy – Technology and Feedstocks – Finding out what works for you</b> Eduard Ebbinge, Spark Energy
2.45 – 3.15	<b>Maximising forest value – Feedstock opportunities for Councils</b> Andrew Walker, Consultant
3.15 – 3.45	<b>The Drivers for Use – Emissions Reduction and Cost Savings</b> Rob Mallinson, Living Energy
3.45 – 4.00	Tea break

<b>Bio-Energy Options – making it happen</b>	
4.00 – 4.30	<b>Crown Loans – Funding key bioenergy Projects at Council and DHB’s</b> Dan Coffey, EECA
4.30 – 5.00	<b>Guidance for local authorities on PM10 regulations to support the use of wood as an energy source and Bioenergy for local economic development, through cluster development– EECA Project</b> Chris McArthur, EECA
5.00 – 5.15	<b>Round Up and Workshop Close</b> Brian Cox

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