



NZ Forest Owners Association
and
Bioenergy Association of NZ
Workshop



to develop a

Bioenergy Strategy for New Zealand

9th February 2010

Renouf Foyer, Wellington Convention Centre, Wellington

New Zealand has a wealth of bioenergy options available to us. This workshop is for those interested in the opportunities for expanding the use of bioenergy so that it becomes a significant contributor to New Zealand's indigenous energy supply. The workshop is for policy analysts, decision makers and potential investors who wish to be part of the leadership of the sector and wish to have a picture of the key drivers over the next decade to which they can respond.

The workshop has arisen from the Bioenergy Options for New Zealand project which was initiated and managed by Scion to consider the potential contribution of bioenergy to New Zealand's energy future. This study is the most comprehensive assessment to date of how bioenergy in all its forms can contribute to total energy supply in New Zealand. Five reports¹ and a number of contributions from a range of researchers collectively provide a wealth of valuable information on the different feedstocks and technologies available now and emerging over the next decade. In the workshop the authors of these reports will summarise their findings and then the workshop will focus on integrating them into the wider energy sector outlook leading to development of a picture of the bioenergy opportunities (heat, and transport fuels), their drivers, priorities, constraints and potential. The results of the project indicate that even on a conservative estimate that **bioenergy can increase from its current 8.5% to around 30% of total consumer energy**. Greater uptake is also available but will require stronger support policies.

This workshop takes a detailed look at where we are, what the potential is and where individual sector players may go from here. The aim is that by the end of the workshop that each attendee has a clear picture of the bioenergy potential for New Zealand so that appropriate policies and actions can be developed by Government and investors alike. This is your opportunity to influence what that picture looks like and to identify your role in the action. The aim is that attendees leave the day with a picture of the opportunities, priorities and pathways.

Bioenergy represents the strongest springboard the energy sector has to move from potential to reality, while supporting Government climate change targets. From this workshop it is planned that a **New Zealand Bioenergy Development Strategy** will evolve. To assist this registered attendees will be provided with a draft strategy prior to the workshop so that discussion on the day is focus on a desired outcome.

This event is supported by the following organisations
EECA, MAF, NZ Trade and Enterprise, Scion, Ministry of Economic Development, MORST

¹ The Bioenergy Options reports are available on the Bioenergy Knowledge Centre website www.bkc.co.nz/BioenergyOptionsReports. Attendees to the workshop are encouraged to have reviewed the documents prior to the workshop as time will not allow a detailed discussion on the wealth of information in the documents.

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8.00 am	Registration
8.30 am	Conference Welcome Roger Fairclough, Manager Fuels & Crown Resources, Ministry of Economic Development. (Workshop Chair)
8.35am	Workshop opening Mike Underhill, CEO EECA

Session One – the Potential

8.50 am	Biomass Resources Peter Hall, Scion
9:05 am	Biosolids and Effluents – resources, uses and LCA Jurgen Thiele, Waste Solutions -
9.20 pm	Experience with energy crops Andrew Simcock, Biodiesel NZ
9.35 pm	Algae Rupert Craggs, NIWA
9.50 am	Wood pellets: adding value to wood fibre Peter Kernohan, Natures Flame
10.05 am	Industrial, transport and residential demand for energy Mark Walkington, MED
10.30 pm	Morning Tea

Session Two – Situation Analysis

10.45 am	Pathways for conversion to energy Michael Jack, Scion
11.00 pm	Life cycle analysis of biofuels Robbie Andrew, Landcare Research
11.15 am	The lignocellulose to liquid energy conversion options Andrew Campbell, Fuel Technology
11.30 am	Bioenergy within the national Energy Outlook Simon Lawrence, MED
11.45 am	Economic drivers for a bioenergy future Adolf Stroombergen, Infometrics
12.00 am	Group Discussion: agreeing the drivers for bioenergy Conference attendees will meet in groups to discuss and brainstorm their own views on the opportunities and what will assist their achievement.
12.45 pm	Lunch

Session Three – Energy from forest and crops	
1.30 pm	Large Scale Bioenergy from forests Peter Hall, Scion
1.45 pm	Investor demand for energy feedstock – fibre value and supply Grant Smith, Energy for Industry
2.00 pm	Wood producers are key sector participants Peter Bodeker, Wood Processors Assoc
2.15 pm	The opportunities and value drivers for land and forest owners Glen Mackie, NZ Forest Owners Association
2.30 pm	Environmental Impacts of large scale afforestation Donna Giltrap, Landcare Research
2.45 pm	Open Forum: Energy forest/crops – fact or fiction Report back from the Group Discussion and and Workshop attendees who wish to comment or express alternative views will be offered the opportunity to speak
3.30 pm	Afternoon Tea

Session Four – A common path forward	
3.55 pm	Research and Development Strategies Michael Jack, Scion
4.10 pm	A picture of the view forward and a possible <i>NZ Bioenergy Development Strategy</i> Brian Cox, Executive Officer, BANZ
4.15 pm	A common strategy and path forward: Panel Discussion and contributions from attendees Brian Cox, Peter Hall, Peter Weir, Simon Lawrence, Grant Smith
5.00 pm	Workshop Close

Note:

The focus of the workshop is to facilitate interaction between all attendees so that a common focus and Bioenergy Strategy can be derived. Speakers have short time slots to get the main points from their area of interest across to attendees. It is not a conference of talking heads to pass on information to attendees, but a workshop where the focus is on developing a Bioenergy Strategy for New Zealand.