



Bioenergy Association of New Zealand
and
NZ Forest Owners Association
Workshop

**Developing a Bioenergy
Strategy for New Zealand**

Who's Who at the event

BANZ Websites

www.bioenergy.org.nz
www.woodpellets.org.nz
www.liquidbiofuels.org.nz
www.biogas.org.nz
www.bkc.co.nz

NZFOA website

www.nzfoa.org.nz

List of Attendees

Name	Organisation
1. Peter Weir	Ernslaw Bioenergy Ltd
2. Murray Cowan	Ernslaw Bioenergy Ltd
3. Tony Frost	Ministry of Transport
4. Darryn Newman	
5. Philip Gedye	RCR Energy Ltd
6. Nick Inskip	HERA
7. Andrew Walker	NZ Clean Energy Centre
8. Rob Mallinson	Living Energy
9. Mike Underhill	EECA
10. James Treadwell	Matariki Forests
11. John Harris	City Firewood
12. Roger Best	City Firewood
13. Rocky Renquist	Plant and Food Research
14. Ferg Lister	Firemakers Limited
15. Jim Jones	Massey University
16. Ruy Anaya de la Rosa	Massey University
17. Christopher Brown	CHH Kinleith
18. Rien Visser	University of Canterbury, Forest Engineering
19. James Young	Biogas Energy
20. Brian Cox	Bioenergy Association of New Zealand (BANZ)
21. Connie Crookshanks	Bioenergy Association of New Zealand (BANZ)
22. George Estcourt	Scion Research
23. Jurgen Thiele	Waste Solutions, a division of CPG (NZ) Ltd
24. Ralph Sims	Massey University
25. Mike Suggate	East Harbour Energy
26. Tim Armstrong	East Harbour Energy
27. Terry Collier	MED
28. Roger Fairclough	MED
29. Denis Hocking	NZ Farm Forestry Association
30. Simon Bannock	Beca Infrastructure
31. Rachael Shaw	BECA
32. Andrew Simcock	Biodiesel NZ
33. Mark Walkington	Ministry of Economic Development
34. Peter Hall	Scion Research
35. Robbie Andrew	Landcare Research
36. Simon Lawrence	Ministry of Economic Development
37. Dave Bull	Office of the Parliamentary Commissioner for the Environment

38. Stephan Heubeck	NIWA
39. Grant Smith	Energy for Industry (Efi)
40. David Reid	Energy for Industry (Efi)
41. Jerome Parkinson	Energy for Industry (Efi)
42. Rupert Craggs	NIWA
43. Paul Hunt	MED
44. Andrew Campbell	Fuel Technology
45. Adolf Stroombergen	Infometrics
46. Peter Bodeker	Wood Processors Assoc
47. David Rhodes	NZ Forest Owners Association
48. Glen Mackie	NZ Forest Owners Association
49. Jo Mackay	Ministry of Economic Development
50. Peter Kernohan	Solid Energy
51. Donna Giltrap	Landcare Research
52. Michael Jack	Scion Research
53. Peter Motion	Anchor Ethanol
54. Michael Cambridge	Maxwood NZ Ltd
55. Geoff Ridley	ERMA
56. Rod McDonald	Plant and Food Research
57. Andrew McEwen	NZ Institute of Forestry
58. Kent Hammond	MED
59. Barry Blackett	BP Oil NZ Ltd
60. Barbara Webster	New Zealand Trade and Enterprise
61. Chris Mulcare	Investment New Zealand
62. Ravi Nagasamy	New Zealand Trade and Enterprise
63. Richard Stubbs	New Zealand Trade and Enterprise
64. Kevin Snowdon	Pure Power
65. Simon Coughlan	Massey University (Student)
66. Kate Starkey	Consulate and Trade Office for Canada
67. Mark Forward	Nelson Forests Ltd
68. Ian Maxwell	Maxall Energy
69. Ian Cairns	Ministry for the Environment
70. Shaun Bowler	EECA
71. Amber Uren	EECA
72. Steve Torrens	EECA
73. Walter Friedel	EECA
74. Hirini Reedy	EECA
75. Hamish Trolove	EECA
76. Trevor Johnson	EECA
77. Avinash Shrivastava	MAF
78. Jo Buckner	MAF
79. Andrew Slack	TBL Solutions

80. Noel Burgess	TBL Solutions
81. Paull Stephenson	Aurecon
82. Ken Hulls	Taharoa Biofuels
83. Murray McCurdy	CRL Energy Limited
84. Alistair Broughton	CPG New Zealand Ltd (Waste Solutions)
85. Barbara Pearson	GHD Ltd
86. Nick Walmsley	GHD Ltd
87. Bruce Thompson	Conduit Limited
88. Guenter Wabnitz	AECON
89. Attilio Pigneri	Massey University Centre for Energy Research
90. Rhys Greensill	FITEC
91. Chris Williamson	University of Canterbury
92. Tony Robinson	MoRST
93. Adriana Downie	Pacific Pyrolysis Pty Ltd
94. Anna de Raadt	FRST
95. Jack Ballagh	Fonterra Co-operative Group
96. Malcolm Souness	WEL Networks
97. David Young	BECA CARTER HOLLINGS & FERNER
98. Shusheng Pang	University of Canterbury

Name of Attendee (s)	Peter Weir
Organisation/ company	Ernslaw Bioenergy Ltd
E-mail address	Peter.Weir@ Ernslaw.co.nz
Tel numbers	027 454 7873 else 03 384 7873
Please provide an outline of your activities / interests in relation to Bioenergy.	
Forest grower (Ernslaw One Ltd) Chair of NZ Forest Owners Environment Committee Interested in Wood energy (bioenergy hubs), fast pyrolysis, gasification	
What are you interested in finding out at the Seminar?	
Interested in learning of degree of NZ Govt commitment to bioenergy	

Name of Attendee (s)	Murray Cowan
Organisation/ company	Ernslaw Bio-Energy Ltd
E-mail address	murray@ernslawbioenergy.co.nz
Tel numbers	021 393 141
Please provide an outline of your activities / interests in relation to Bioenergy.	
Producer and supplier of wood fuels.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Tony Frost
Organisation/ company	MoT
E-mail address	t.frost@transport.govt.nz
Tel numbers	04 439 9042, 021 240 9824
Please provide an outline of your activities / interests in relation to Bioenergy.	
Government policy	
What are you interested in finding out at the Seminar?	
Thoughts on a bioenergy strategy	

Name of Attendee (s)	Darryn Newman
Organisation/ company	
E-mail address	l.gibbons@xtra.co.nz
Tel numbers	0211417315 03 5705391
Please provide an outline of your activities / interests in relation to Bioenergy.	
We have been planning an operation in the Marlborough sounds which would have significant benefits to production and environment if we were able to develop a waste wood product either in chip form or final product? for us this is the missing piece in a harvesting operation which we have been developing over 15 years. But more importantly allow us to expand the operation further.	
What are you interested in finding out at the Seminar?	
I am interested in the latest developments in waste wood recovery and use and what would suit us or more importantly what is the best solution ? Also making some contacts in which I can further or development.	

Name of Attendee (s)	Philip Gedye
Organisation/ company	RCR Energy Ltd
E-mail address	Philip.gedye@rcrtom.com.au
Tel numbers	+64 6 873 8838
Please provide an outline of your activities / interests in relation to Bioenergy.	
<p>I am interested as a member of the BANZ Board and as someone who has been involved in bioenergy for the last 12 years at RCR Energy (formerly Easteel).</p> <p>RCR Energy is a full service company offering technology and equipment for conversion of biomass and organic waste materials into heat and/or power. From concept and design through project management, construction, commissioning and after-sales service, RCR is a major player in the energy plant markets of Australia, New Zealand and the Pacific Islands.</p>	
What are you interested in finding out at the Seminar?	
<p>I am particularly interested to see how the supply chain for biomass fuel/feedstock is developing and what more can be done to assist the maturing of the biofuels market to give long term certainty to end users contemplating switching to such fuels. I am also interested to understand more about government policy in this area and to help shape any developments in policy directed towards uptake of bioenergy.</p>	

Name of Attendee (s)	Nick Inskip
Organisation/ company	HERA
E-mail address	Nick.inskip@hera.org.nz
Tel numbers	09 262 4750
Please provide an outline of your activities / interests in relation to Bioenergy.	
Industry and capability development.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Andrew Walker
Organisation/ company	NZ Clean Energy Centre
E-mail address	ez4u2do@ihug.co.nz
Tel numbers	04-5286999
Please provide an outline of your activities / interests in relation to Bioenergy.	
<p>Wood energy products - pellets, chip, particularly relating to Wellington and the lack of waste wood based bio-energy initiatives (other than KCDC) when there is so much waste rotting in GWRC forestry operations.</p>	
What are you interested in finding out at the Seminar?	
<p>Update on NZ developments, meeting related people, discussing why so much is talked about yet so little achieved.</p>	

Name of Attendee (s)	Rob Mallinson
Organisation/ company	Living Energy
E-mail address	rob.m@livingenergy.co.nz
Tel numbers	Office : 64 (0)9 377-9007; Mobile : 64 (0)27 257-9001
Please provide an outline of your activities / interests in relation to Bioenergy.	
MD of Living Energy (Specialist suppliers of wood energy solutions) Chairman of BANZ.	
What are you interested in finding out at the Seminar?	
Government awareness of the opportunity Some more information re Scion's work	

Name of Attendee (s)	Mike Underhill
Organisation/ company	Energy Efficiency and Conservation Authority
E-mail address	Mike.underhill@eeca.govt.nz
Tel numbers	04 470 2202
Please provide an outline of your activities / interests in relation to Bioenergy.	
CE of Energy Efficiency and Conservation Authority and speaker at the conference.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	James Treadwell
Organisation/ company	Matariki Forests
E-mail address	James.treadwell@rayonier.com
Tel numbers	027 6843262
Please provide an outline of your activities / interests in relation to Bioenergy.	
Business Development manager for Matariki, trying to establish a market for wood waste (Slash & other products) from the forest for heat or energy.	
What are you interested in finding out at the Seminar?	
<ul style="list-style-type: none"> • How to get this market started. • To ensure likely purchasers of fibre have realistic expectations of quantity, quality & required price • What other forest owners are doing • What potential customers are looking for 	

Name of Attendee (s)	John Harris and Roger Best
Organisation/ company	City Firewood Christchurch
E-mail address	johnharris@cityfirewood.co.nz
Tel numbers	03 389 9323 0274 92 5710
Please provide an outline of your activities / interests in relation to Bioenergy.	
Producer and retailer of firewood, wood chip, hogged wood and sawdust etc.	
What are you interested in finding out at the Seminar?	
General Industry Information	

Name of Attendee (s)	Rocky Renquist
Organisation/ company	Plant and Food Research
E-mail address	Rocky.renquist@plantandfood.co.nz
Tel numbers	06 355 6208 021 066 1572
Please provide an outline of your activities / interests in relation to Bioenergy.	
I lead the research on non-woody biomass crops as feedstocks for either gasification or anaerobic digestion.	
What are you interested in finding out at the Seminar?	
Whether the developed strategy will include approximate near-term emphasis on non-woody biomass.	

Name of Attendee (s)	Ferg Lister
Organisation/ company	Firemakers Limited
E-mail address	ferg@parkwood.co.nz
Tel numbers	03 3844973 021 390022
Please provide an outline of your activities / interests in relation to Bioenergy.	
Pellet Fire Manufacture	
What are you interested in finding out at the Seminar?	
Pellet industry in NZ, Networking	

Name of Attendee (s)	Jim R Jones, Ruy Anaya de la Rosa
Organisation/ company	Massey University, School of Engineering and Advanced Technology
E-mail address	j.r.jones@massey.ac.nz r.anayadelarosa@massey.ac.nz
Tel numbers	06 3505155
Please provide an outline of your activities / interests in relation to Bioenergy.	
Jim Jones is Professor of Biochar and Bioenergy Pyrolysis and co director of the New Zealand Biochar Research Centre (NZBRC) Ruy Anaya de la Rosa is a PhD student of NZBRC working on Life Cycle Analysis of Biochar.	
What are you interested in finding out at the Seminar?	
Biochar is a byproduct of pyrolysis which also produces bio-oil and bio-gas, which are all part of the bioenergy options for NZ.	

Name of Attendee (s)	Christopher Brown
Organisation/ company	Carter Holt Harvey Kinleith
E-mail address	Christopher.brown@chh.co.nz
Tel numbers	0274 416 475
Please provide an outline of your activities / interests in relation to Bioenergy.	
Use over 14 PJ of bioenergy – black liquor and waste wood.	
What are you interested in finding out at the Seminar?	
Seeing what is going on and keeping up to speed.	

Name of Attendee (s)	Rien Visser, Associate Professor
Organisation/ company	University of Canterbury, Forest Engineering
E-mail address	Rien.visser@canterbury.ac.nz
Tel numbers	03-388-1370
Please provide an outline of your activities / interests in relation to Bioenergy.	
EECA funded biomass recovery project in NZ, with a focus on forestry landing residue recovery and logistics.	
International collaboration on bio-energy research, with a focus on central Europe and Eastern USA.	
Participation in EU biomass research and workshop instruction.	
Teach biomass and bio-energy related topics into University B.For.Sci and B.E.(For. Eng.) curriculum.	
What are you interested in finding out at the Seminar?	
Direction of NZ bio-energy policy.	
Alternative biomass options (to woody biomass).	
Information for a NZ based bio-energy workshop module to be taught in Austria, June 2010	

Name of Attendee (s)	James Young
Organisation/ company	Biogas Energy
E-mail address	James@Biogasenergy.co.nz
Tel numbers	021 771 612
Please provide an outline of your activities / interests in relation to Bioenergy.	
Biogas Energy is a Christchurch based company looking to bring commercially viable biogas to the market in 2010. We have a reasonable sized first project defined and are seeking both venture and research partners in the first part of this year.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Brian Cox (Executive Officer, BANZ) Connie Crookshanks
Organisation/ company	Bioenergy Association of New Zealand (BANZ) www.bioenergy.org.nz
E-mail address	Brian.cox@bioenergy.org.nz Connie.crookshanks@bioenergy.org.nz
Tel numbers	
Please provide an outline of your activities / interests in relation to Bioenergy.	
<p>The Bioenergy Association of New Zealand (BANZ) has been established to promote and coordinate the development of a bioenergy industry in New Zealand. BANZ provides a central focus point for liaison with Government agencies, the dissemination of information amongst the industry and long-term positioning of bioenergy into New Zealand's energy system.</p> <p>Members include anyone with a commercial interest in bioenergy - wood processors, foresters, energy suppliers, energy researchers, consultants, manufacturers and investors. Activities are focused around wood energy, biogas and liquid biofuels. BANZ has four Interest Groups as follows:</p> <ul style="list-style-type: none"> • Liquid Biofuels – www.liquidbiofuels.org.nz • Biogas – www.biogas.org.nz • Wood Fuels - http://www.bioenergy.org.nz/wood_fuels.asp www.bkc.co.nz • Wood Pellets – www.woodpellets.org.nz 	
What are you interested in finding out at the Seminar?	
The Seminar is the beginning of an industry lead process to develop a Bioenergy Strategy for New Zealand and so delivering on the potential that bioenergy resources present as part of the energy mix in New Zealand. BANZ are the event organisers.	

Name of Attendee (s)	George Estcourt
Organisation/ company	Scion
E-mail address	George.estcourt@scionresearch.com
Tel numbers	0275 338312
Please provide an outline of your activities / interests in relation to Bioenergy.	
Bioenergy researcher.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Jürgen H Thiele
Organisation/ company	Waste Solutions, a division of CPG (NZ) Ltd
E-mail address	Jurgen.thiele@wastesolutions.co.nz
Tel numbers	+64 3 477 2375 + 64 21 780 727
Please provide an outline of your activities / interests in relation to Bioenergy.	
Practicing biotechnologist/researcher in waste to energy (biomethane, biogas) projects. Research & Development manager for Waste Solutions Ltd. Projected and executed numerous full scale projects	

on bioenergy recovery in large regional digester facilities in New Zealand/Australia and industrial wastewater treatment projects in New Zealand./ Australia and South East Asia.

What are you interested in finding out at the Seminar?

NZ bioenergy potential today and tomorrow. Meet parties interested in waste to energy projects to provide biofuels from agro-industrial, municipal and industrial waste materials in New Zealand.

Ralph Sims, Massey University, Centre for Energy Research

Name of Attendee (s)	Mike Suggate, Tim Armstrong
Organisation/ company	East Harbour Energy Ltd
E-mail address	Tim.Armstrong@eastharbour.co.nz
Tel numbers	(04) 385 7598 or (04) 385 4398
Please provide an outline of your activities / interests in relation to Bioenergy.	
East Harbour Energy is a leading advisor on the feasibility and application of bioenergy in New Zealand. We have been contracted by BANZ to co-ordinate the development of, and draft, the Bioenergy Strategy for New Zealand which is the subject of this workshop. East Harbour has carried out many feasibility studies to evaluate the application of all forms of bioenergy and managed projects through construction to commissioning. Our experience extends to all forms of renewable energy and working with industry, regional bodies and private investors in developing and implementing energy strategies to provide economic benefits and reduced dependence on fossil fuels.	
What are you interested in finding out at the Seminar?	
We look forward to working with all participants of this workshop to help focus their ideas to allow a simple and coherent bioenergy strategy to be developed. With increasing interest in bioenergy internationally and within New Zealand we hope to find innovative and fresh ideas being presented. For a strategy to be successfully developed there will need to be an awareness that it is only by the parties present working together that we will be able to develop a strategy which will be compelling for all stakeholders, including government and the industry, and secure the support necessary.	

Name of Attendee (s)	Terry Collier
Organisation/ company	Ministry of Economic Development
E-mail address	Terry.collier@med.govt.nz
Tel numbers	04 474 2675
Please provide an outline of your activities / interests in relation to Bioenergy.	
Industry development policy	
What are you interested in finding out at the Seminar?	
Get an update on commercialisation of the various technologies.	

Name of Attendee (s)	Roger Fairclough
Organisation/ company	Ministry of Economic Development
E-mail address	roger.fairclough@med.govt.nz
Tel numbers	+644 462 4207
Please provide an outline of your activities / interests in relation to Bioenergy.	
Involved in access to Crown resources and government policy in relation to liquid biofuels.	
What are you interested in finding out at the Seminar?	
Evolution of a clearer strategy in relation to bioenergy in the New Zealand context.	

Name of Attendee (s)	Denis Hocking
Organisation/ company	NZ Farm Forestry Association
E-mail address	jdhocking@xtra.co.nz
Tel numbers	06 332 1254
Please provide an outline of your activities / interests in relation to Bioenergy.	
Representing small forest growers who grow significant area of NZ forest including many alternative species. Supply much firewood.	
What are you interested in finding out at the Seminar?	
LCA Results Technical advances	

Name of Attendee (s)	Simon Bannock
Organisation/ company	Beca Infrastructure Ltd
E-mail address	Simon.bannock@beca.com
Tel numbers	04 4962637
Please provide an outline of your activities / interests in relation to Bioenergy.	
Sustainability and carbon perspectives.	
What are you interested in finding out at the Seminar?	
Update on current NZ research Update on development of NZ Policy to support bio energy Bioenergy in relation to Kyoto targets Resources Networking	

Name of Attendee (s)	Rachael Shaw
Organisation/ company	Beca Carter
E-mail address	Rachael.shaw@beca.com
Tel numbers	04 473 7551
Please provide an outline of your activities / interests in relation to Bioenergy.	
Am a wastewater engineer with interest in biosolids utilisation/sludge digestion/cogen. Also interested in utilising pond algae for generating biodiesel.	
What are you interested in finding out at the Seminar?	
What advances have been made in this area and how it applies to municipal and industrial waste waters.	

Name of Attendee (s)	Andrew Simcock
Organisation/ company	Biodiesel New Zealand
E-mail address	
Tel numbers	
Please provide an outline of your activities / interests in relation to Bioenergy.	
Mission is to establish and grow BDNZ as a viable sustainable business providing biodiesel to mainstream New Zealand customers; proof that building a business supplying fuel and providing environmental benefits of renewable fuel do go hand and hand.	
What are you interested in finding out at the Seminar?	
How far has the industry evolved in a year, are participants and industry association maturing and contributing to the uptake of sustainable renewable fuel in New Zealand?	

Name of Attendee (s)	Mark Walkington
Organisation/ company	Ministry of Economic Development
E-mail address	Mark.walkington@med.govt.nz
Tel numbers	04 474 2978
Please provide an outline of your activities / interests in relation to Bioenergy.	
Energy Modelling with a focus on Transport Energy and GHG Emission modelling incl. Biofuels and Electric Vehicles	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Peter Hall
Organisation/ company	Scion
E-mail address	Peter.hall@scionresearch.com
Tel numbers	07 343 5849 or 027 2211521
Please provide an outline of your activities / interests in relation to Bioenergy.	
Bioenergy research focussed on woody biomass supply and conversion.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Robbie Andrew
Organisation/ company	Landcare Research
E-mail address	andrewr@landcareresearch.co.nz
Tel numbers	06 3534966
Please provide an outline of your activities / interests in relation to Bioenergy.	
Life cycle assessment	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Simon Lawrence
Organisation/ company	Ministry of Economic Development
E-mail address	Simon.lawrence@med.govt.nz
Tel numbers	474 2620
Please provide an outline of your activities / interests in relation to Bioenergy.	
Responsible for collecting and publishing national energy supply and demand statistics, which includes renewable sources such as biomass. Also oversee preparation of the Energy Outlook which sets out energy and greenhouse gas emissions forecasts.	
What are you interested in finding out at the Seminar?	
Where is the potential? What projects are currently underway?	

Name of Attendee (s)	Dr. Dave Bull
Organisation/ company	Parliamentary Commissioner for the Environment's office
E-mail address	david.bull@pce.parliament.nz
Tel numbers	Tel 04 471 1669, ddi 04 495 8364
Please provide an outline of your activities / interests in relation to Bioenergy.	
Leading the Commissioner's investigation into transport biofuels.	
What are you interested in finding out at the Seminar?	
The Seminar will probably be the last chance for the PCE to gauge industry opinion and take up good ideas before reporting to Parliament.	

Name of Attendee (s)	Stephan Heubeck
Organisation/ company	NIWA
E-mail address	s.heubeck@niwa.co.nz
Tel numbers	07 8561766
Please provide an outline of your activities / interests in relation to Bioenergy.	
As part of NIWA's aquatic pollution group I am actively involved in R,D&D projects on biogas and algae. Recent projects include the design of several low-tech biogas systems for pig farms, an industry led demonstration project for biogas use in vehicles, research on biogas energy crops in Europe and NZ as well as contributions to the Bioenergy options for New Zealand reports and the NZ EnergyScape project resource assessments.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Grant Smith
Organisation/ company	Energy for Industry
E-mail address	grants@energyforindustry.co.nz
Tel numbers	04 381 1247 021 388 471
Please provide an outline of your activities / interests in relation to Bioenergy.	
Industrial Portfolio Manager leads the Energy for Industry Team. Fuel procurement and potential investor	
What are you interested in finding out at the Seminar?	
Market context and update from various experts in their fields on economic cost benefit.	

Name of Attendee (s)	David Reid and Jerome Parkinson
Organisation/ company	Energy for Industry
E-mail address	Davidr@energyforindustry.co.nz Jeromep@energyforindustry.co.nz
Tel numbers	04 381 1336 and 04 381-1332
Please provide an outline of your activities / interests in relation to Bioenergy.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Dr Rupert Craggs
Organisation/ company	NIWA
E-mail address	r.craggs@niwa.co.nz
Tel numbers	07 859 1807 / 027 681 1926
Please provide an outline of your activities / interests in relation to Bioenergy.	
Research and application of low cost covered anaerobic ponds to recover energy from wastewater solids. Research and application of high rate algal ponds to cost effectively recover nutrients from wastewater and produce algal biomass for conversion to biofuel.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Paul Hunt
Organisation/ company	MED
E-mail address	Paul.hunt@med.govt.nz
Tel numbers	04 474 2754
Please provide an outline of your activities / interests in relation to Bioenergy.	
Interested in biomass use to improve data collection	
What are you interested in finding out at the Seminar?	
Networking opportunities	

Name of Attendee (s)	Andrew Campbell
Organisation/ company	Fuel Technology Limited
E-mail address	acampbell@fueltechnology.net
Tel numbers	04 977 5795 0274 414 750
Please provide an outline of your activities / interests in relation to Bioenergy.	
I consult across all energy sectors, with particular experience in: <ul style="list-style-type: none"> • Fuel switching in stationary and mobile applications. • Design and commissioning of biodiesel plant and systems. • Fuel development, engine design and vehicle emissions testing. • National scale energy system development. • Policy development. • Energy feasibility studies (including for the WB and UN). • Cogen system design for Bechtel. <p>My 30 years of experience reaches across 14 countries and 16 different fuel types.</p>	
What are you interested in finding out at the Seminar?	
I aim to contribute to the understanding of bioenergy options available, as well as take in from others.	

Name of Attendee (s)	Adolf Stroombergen
Organisation/ company	Infometrics
E-mail address	astro@infometrics.co.nz
Tel numbers	04 4730630 DDI: 04 4946078
Please provide an outline of your activities / interests in relation to Bioenergy.	
General equilibrium economic analysis of biofuels from forestry.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Peter Bodeker
Organisation/ company	Wood Processors Association
E-mail address	Peter@wpa.org.nz
Tel numbers	0274 998328
Please provide an outline of your activities / interests in relation to Bioenergy.	
Represent the wood processing sector – the largest producers of bioenergy in NZ	
What are you interested in finding out at the Seminar?	
Whether current developments either in NZ or overseas are likely to enhance or hinder our sectors ability to continue access biofuel for internal use	

Name of Attendee (s)	David Rhodes and Glen Mackie
Organisation/ company	Forest Owners Assn
E-mail address	Glen.mackie@nzfoa.org.nz
Tel numbers	04 473 4769
Please provide an outline of your activities / interests in relation to Bioenergy.	

The potential from the Forest Owners perspective. An additional market for existing production, or another crop option entirely.
What are you interested in finding out at the Seminar?
What technologies / options are likely to be pursued commercially in the near to medium term. What are the key drivers to fuel supply profitability.

Name of Attendee (s)	Jo Mackay
Organisation/ company	Ministry of Economic Development
E-mail address	Jo.mackay@med.govt.nz
Tel numbers	Direct dial 04 470 2278
Please provide an outline of your activities / interests in relation to Bioenergy.	
Government energy policy perspective.	
What are you interested in finding out at the Seminar?	
Where the industry is at; what the potential for bioenergy development is considered to be; and ideas for what role the Government could play (other than what various government agencies are already doing).	

Name of Attendee (s)	Peter Kernohan BA, MinstE, MCIM
Organisation/ company	Solid Energy Renewable Fuels
E-mail address	peter.kernohan@solidenergy.co.nz
Tel numbers	07 376 0177
Please provide an outline of your activities / interests in relation to Bioenergy.	
Manufacturer and supplier of wood pellets through New Zealand via three production facilities and An established and growing supply chain. Suppliers of specialist biomass boiler technology and advisory services to project managers considering biomass.	
What are you interested in finding out at the Seminar?	
Where can influence be applied to encourage uptake in biomass technology.	

Name of Attendee (s)	Donna Giltrap
Organisation/ company	Landcare Research
E-mail address	giltrapd@landcareresearch.co.nz
Tel numbers	(06) 353-4820
Please provide an outline of your activities / interests in relation to Bioenergy.	
<ul style="list-style-type: none"> • Modeller in the “Global Change Processes” programme at Landcare Research. • Involved in the assessment of resource availability and environmental impacts for the “Bioenergy Options” project. 	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Michael Jack
Organisation/ company	Scion
E-mail address	Michael.jack@scionresearch.com
Tel numbers	07 343 5899
Please provide an outline of your activities / interests in relation to Bioenergy.	
Research on lignocellulosic liquid biofuels Woody biomass resources and logistics	
What are you interested in finding out at the Seminar?	
What are industry's and governments perspective on the best way to realize the bioenergy opportunities NZ has?	

Name of Attendee (s)	Peter Motion
Organisation/ company	Anchor Ethanol
E-mail address	Peter.motion@fonterra.com
Tel numbers	021 840186
Please provide an outline of your activities / interests in relation to Bioenergy.	
We are an industry leader in the conversion of Dairy whey / lactose into Ethanol with over 30 years experience. We have, until recently been effectively the sole supplier of Ethanol for Gull Bio-fuels. Bio-fuel is a growing international phenomenon and greater adoption in NZ is, in our opinion, only a matter of time – with or without mandated obligations. But currently NZ does not have the capability nor capacity to meet the potential demand cost effectively.	
What are you interested in finding out at the Seminar?	
Keen to understand and contribute to the roadmap ahead for NZ based production of Bio Fuels and where possible, identify potential options to work together with emerging organisations in this burgeoning industry.	

Name of Attendee (s)	Michael Cambridge
Organisation/ company	Maxwood NZ Ltd
E-mail address	Michael@organicbuilding.com
Tel numbers	03 5798180 0275189812
Please provide an outline of your activities / interests in relation to Bioenergy.	
I promote wood energy in Marlborough as part of a strategy for Marlborough to be carbon neutral. I am a member of EECA's Wood Energy Advisory Group.	
What are you interested in finding out at the Seminar?	
Options for bioenergy in Marlborough.	

Name of Attendee (s)	Geoff Ridley
Organisation/ company	ERMA New Zealand
E-mail address	geoff.ridley@ermanz.govt.nz
Tel numbers	04 918 4795
Please provide an outline of your activities / interests in relation to Bioenergy.	

ERMA New Zealand would need to approve any new organisms eg plants, algae and fungi or genetically modified organisms eg altered pines or bacteria for fermentation that might be wanted for developing biofuels in the future. ERMA conducted an environmental risk assessment and approved the potential biofuel plant <i>Miscanthus × giganteus</i> in 2007.
What are you interested in finding out at the Seminar?
What organism are being investigated for use in New Zealand for the development of biofuels and which are likely to become a reality.

Name of Attendee (s)	Rod McDonald
Organisation/ company	Plant and Food Research
E-mail address	rmcdonald@plantandfood.co.nz
Tel numbers	0212268441 / 07 9594441
Please provide an outline of your activities / interests in relation to Bioenergy.	
Cellulosic feedstocks, conversion processes, chemical engineering, soil modification, cropping	
What are you interested in finding out at the Seminar?	
New Zealand strategies for implementing greenhouse gas mitigation	

Name of Attendee (s)	Andrew McEwen
Organisation/ company	NZ Institute of Forestry
E-mail address	am.mcewen@xtra.co.nz
Tel numbers	(04) 476 6163, 0274 733 262
Please provide an outline of your activities / interests in relation to Bioenergy.	
As President of the NZ Institute of Forestry, I like to be informed and, where possible, to contribute to issues that affect NZ forestry (in a broad sense). Use of forest derived material for bioenergy has two benefits:	
(a) It provides potential market opportunities for forest owners (thereby potentially encouraging further investment in forestry in NZ)	
(b) It provides an alternative to fossil fuels, thereby reducing our impact on climate change.	
What are you interested in finding out at the Seminar?	
See above. A good NZ Bioenergy strategy is needed to ensure that developments happen within a framework that encourages forest investment and reduction of fossil fuel use. A bad strategy will not increase market opportunities for forest owners (and so will not encourage further investment in forestry) and will not contribute to climate change mitigation, although it may be good for speculators.	

Name of Attendee (s)	Kent Hammond
Organisation/ company	Ministry of Economic Development
E-mail address	Kent.hammond@med.govt.nz
Tel numbers	04 4742844
Please provide an outline of your activities / interests in relation to Bioenergy.	
Involved in scenario development and energy modelling within the Energy and Communications Branch of MED. Currently completing a scenario within the Energy Outlook on oil alternatives including bioenergy.	

What are you interested in finding out at the Seminar?
How far and fast industry players expect bioenergy will meet the country's energy requirements.

Name of Attendee (s)	Barry Blackett
Organisation/ company	BP Oil NZ Ltd
E-mail address	Barry.blackett@se1.bp.com
Tel numbers	04 495 5680, 027 244 5484
Please provide an outline of your activities / interests in relation to Bioenergy.	
Biomass resources and current state of technology for conversion of these to liquid fuels.	
What are you interested in finding out at the Seminar?	
What the best longer term prospects might be for NZ from today's perspective.	

Name of Attendee (s)	Barbara Webster
Organisation/ company	New Zealand Trade and Enterprise
E-mail address	barbara.webster@nzte.govt.nz
Tel numbers	(04) 8168342
Please provide an outline of your activities / interests in relation to Bioenergy.	
Project manager in the Strategic Initiatives team including projects in environmental and emerging technologies.	
What are you interested in finding out at the Seminar?	
Better understanding of the drivers and priorities that may direct Bioenergy developments and applications in NZ.	

Name of Attendee (s)	Christopher Mulcare
Organisation/ company	Investment New Zealand
E-mail address	Chris.mulcare@investmentnz.govt.nz
Tel numbers	(09) 3549036
Please provide an outline of your activities / interests in relation to Bioenergy.	
Investment Manager Clean Technology for Investment NZ which is the NZ government's investment promotion agency.	
What are you interested in finding out at the Seminar?	
How Government and Industry can work together to develop a strategy that delivers the best possible long term creation of value and export revenue for the NZ economy from our biomass resources.	

Name of Attendee (s)	Ravi Nagasamy
Organisation/ company	New Zealand Trade and Enterprise
E-mail address	Ravi.Nagasamy@nzte.govt.nz
Tel numbers	04 816 8352 027 200 2554
Please provide an outline of your activities / interests in relation to Bioenergy.	

I am the Sector Manager – Wood, Building and Interiors at NZTE Wellington. My role is to ensure that we optimise the value captured from New Zealand’s forest resources and maximize the economic returns to New Zealand from this sector.
I am particularly interested in developments relating to wood pellet production for exports to create greater value for wood residues.

What are you interested in finding out at the Seminar?	
<ul style="list-style-type: none"> • Future NZ Bioenergy Development Strategy and possible action plan • Wood fibre availability and value for wood pellet production – short, medium and long term • Level of interest among the players in the forest and wood processing industry in wood pellet production for exports • Possible investors in wood pellet production in NZ for exports 	

Name of Attendee (s)	Richard Stubbs
Organisation/ company	New Zealand Trade and Enterprise
E-mail address	Richard.stubbs@nzte.govt.nz
Tel numbers	04 8168382
Please provide an outline of your activities / interests in relation to Bioenergy.	
Team Leader for resources, wood processing and manufacturing for Investment NZ (foreign direct investment promotion, facilitation, retention).	
What are you interested in finding out at the Seminar?	
Areas where foreign investment can positively impact the industry’s development.	

Name of Attendee (s)	Kevin Snowdon
Organisation/ company	Pure Power
E-mail address	K.snowdon@purepowerglobal.com
Tel numbers	0274 949 231
Please provide an outline of your activities / interests in relation to Bioenergy.	
Developing biomass crops of SRL willow. Own, developing and soon to deploy technology in NZ and elsewhere.	
What are you interested in finding out at the Seminar?	
Continued interest: <ul style="list-style-type: none"> • in the clean energy sector, • in governments intent • in the opportunities as they develop • in the mindset of government and other players. 	

Name of Attendee (s)	Simon Coughlan
Organisation/ company	Masse University (Energy Student)
E-mail address	Simon.Gina@xtra.co.nz
Tel numbers	09 294 7949
Please provide an outline of your activities / interests in relation to Bioenergy.	
Study into both Ethanol & Biodiesel. Emphasis on feedstock supply	
What are you interested in finding out at the Seminar?	

Interactions with people in the Biofuels industry

Name of Attendee (s)	Kate Starkey
Organisation/ company	Consulate and Trade Office of Canada
E-mail address	kate.starkey@international.gc.ca
Tel numbers	09 309 3690 ext 3800
Please provide an outline of your activities / interests in relation to Bioenergy.	
Bioenergy, produced from Canada's abundant biomass resources, currently accounts for approximately 6% of Canada's total energy supply. Canadian bioenergy production includes combustion, pyrolysis, gasification, anaerobic digestion, landfill biogas utilization, fermentation, and catalytic hydrotreating of biomass oils. Developments in next generation technologies are positioning Canada as an innovative global leader in both the sustainable and renewable development of bioenergy.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Mark Forward
Organisation/ company	Nelson Forests Limited
E-mail address	Mark.forward@nelsonforests.com
Tel numbers	03 543 8115
Please provide an outline of your activities / interests in relation to Bioenergy.	
To investigate opportunities for Nelson Forests Limited.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Dr Ian Maxwell
Organisation/ company	Maxall Energy
E-mail address	ianmaxwell@maxco.co.nz
Tel numbers	
Please provide an outline of your activities / interests in relation to Bioenergy.	
The development and commercialization of technologies to convert biomass into renewable fuels	
What are you interested in finding out at the Seminar?	
Development and commercialization activities related to biofuels in New Zealand including governmental policies.	

Name of Attendee (s)	Ian Cairns
Organisation/ company	Ministry for the Environment
E-mail address	ian.cairns@mfe.govt.nz
Tel numbers	04 439 7468 DDI
Please provide an outline of your activities / interests in relation to Bioenergy.	
Policy in relation to climate change. I am particularly interested in the implications for the direction in forest growing and the possible opportunity for <i>Miscanthus</i> .	
What are you interested in finding out at the Seminar?	

Investor contacts; identification of roadblocks

Name of Attendee (s)	Shaun Bowler, Amber Uren, Steve Torrens, Walter Friedel (part time), Hirini Reedy (part time), Hamish Trolove, Trevor Johnson
Organisation/ company	Energy Efficiency and Conservation Authority (EECA)
E-mail address	trevor.johnson@eeeca.govt.nz
Tel numbers	470 2223
Please provide an outline of your activities / interests in relation to Bioenergy.	
Wood energy, Local Government aspects, Iwi aspects, Policy, Research, Biofuels	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Avinash Shrivastava, Jo Buckner
Organisation/ company	MAF
E-mail address	Avinash.shrivastava@maf.govt.nz Jo.buckner@maf.govt.nz
Tel numbers	04 894 0709/ 029 894 0709
Please provide an outline of your activities / interests in relation to Bioenergy.	
Bioenergy policy	
What are you interested in finding out at the Seminar?	
Sectors views about bioenergy	

Name of Attendee (s)	Andrew Slack Noel Burgess
Organisation/ company	TBL Solutions
E-mail address	andrew.slack@tblsolutions.co.nz
Tel numbers	
Please provide an outline of your activities / interests in relation to Bioenergy.	
TBL is a resource recovery and waste to energy consultancy and project manager.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Paul Stephenson
Organisation/ company	Aurecon New Zealand
E-mail address	stephensonp@ap.aurecongroup.com
Tel numbers	+64 4 471 8712
Please provide an outline of your activities / interests in relation to Bioenergy.	
Aurecon provide a variety of professional consultancy services to industry in the bioenergy space.	
What are you interested in finding out at the Seminar?	
Information that will assist in identifying key bioenergy opportunities for clients and proposed implementation strategies.	

Name of Attendee (s)	Ken Hulls
Organisation/ company	Taharoa Biofuels
E-mail address	kenhulls@xtra.co.nz
Tel numbers	021 188 5633
Please provide an outline of your activities / interests in relation to Bioenergy.	
Provision of long term renewable and sustainable biofuel supplies for large scale thermal and thermal electric production, and liquid biofuels. Primary biomass used is Miscanthus X Giganteus, an energy crop fully proven in large scale applications in Europe and now available in New Zealand.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Murray McCurdy
Organisation/ company	CRL Energy Limited
E-mail address	m.mccurdy@crl.co.nz
Tel numbers	04 570 3709
Please provide an outline of your activities / interests in relation to Bioenergy.	
Current activities include consulting and R&D for the thermo-chemical conversion of solid fuels including torrefaction, pyrolysis and combustion of biomass. CRL Energy also has a large coal/biomass co-gasification programme. Also interested in transitional strategies and technologies for incorporating increasing amounts of biomass over time into traditionally coal-fuelled systems. Also the generation of biofuels from biomass via the thermo-chemical route.	
What are you interested in finding out at the Seminar?	
Latest information on resources and analysis of various conversion pathways.	

Name of Attendee (s)	Alistair Broughton
Organisation/ company	CPG New Zealand Ltd (Waste Solutions)
E-mail address	Alistair.broughton@nz.cpg-global.com
Tel numbers	06-354 4501
Please provide an outline of your activities / interests in relation to Bioenergy.	
Anaerobic digestion, biogas production Biosolids reuse	

Community digesters On-farm systems
What are you interested in finding out at the Seminar?
Opportunities for bioenergy implementation Appropriate technologies Strategies for developing opportunities

Name of Attendee (s)	Barbara Pearson
Organisation/ company	GHD Ltd
E-mail address	Barbara.pearson@ghd.co.nz
Tel numbers	0276131586
Please provide an outline of your activities / interests in relation to Bioenergy.	
<p>I am a Principal Climate Change Advisor for GHD with a background in climate change adaptation and bioenergy. Below my professional profile.</p> <p>Barbara is a business developer with a strong interdisciplinary background and broad international experience in management and business consulting, with over 15 years experience in the US, Europe, South America, Africa, the Pacific and Asia. She is a Principal Climate Change Advisor with GHD. She is recognized as a Climate Change Adaptation Specialist a professional background in agriculture, food security, emergencies, water security, and climate change governance and impacts on infrastructure. She works with key partners such as governments, bilateral and multilateral organisations, United Nations specialized agencies and INGOs. Barbara manages International Development Assistance/Climate Change corporate teams and secured multi-sectoral climate change projects with the Asian Development Bank and other donors.</p>	
What are you interested in finding out at the Seminar?	
Understanding the potential contribution of bioenergy to New Zealand and the business opportunities that will arise	

Name of Attendee (s)	Nick Walmsley
Organisation/ company	GHD Ltd
E-mail address	Nick.walmsley@ghd.com
Tel numbers	+64 274 578 053
Please provide an outline of your activities / interests in relation to Bioenergy.	
<p>Technical Director for GHD in the water and wastes sector, including wastes to energy, bio-gas, biosolids etc. Have been involved in this work as a consultant for over 30 years.</p>	
What are you interested in finding out at the Seminar?	
Having returned from working in the UAE, I am keen to catch up with developments since my departure in 2006 and where NZ strategies are heading relative to others.	

Name of Attendee (s)	Bruce Thompson
Organisation/ company	Conduit Limited
E-mail address	bruce@nzconduit.com
Tel numbers	021 962 085
Please provide an outline of your activities / interests in relation to Bioenergy.	

Conduit Limited connects Asian and New Zealand businesses to expand export markets, source goods & services and uncover new opportunities. Basically, connecting the dots of business opportunity.
What are you interested in finding out at the Seminar?
I would like to know more about the products and opportunities out there. Who is currently doing what etc? Try to identify how Conduit might be able to help.

Name of Attendee (s)	Guenter Wabnitz
Organisation/ company	AECOM
E-mail address	Guenter.Wabnitz@aecom.com
Tel numbers	+64 4 382 2975
Please provide an outline of your activities / interests in relation to Bioenergy.	
BANZ Board Member	
What are you interested in finding out at the Seminar?	
Role of Biogas in the NZ Bioenergy Strategy.	

Name of Attendee (s)	Attilio Pigneri
Organisation/ company	Massey University Centre for Energy Research
E-mail address	A.Pigneri@massey.ac.nz
Tel numbers	+64 (0)2102405100, +61 (0)405740355
Please provide an outline of your activities / interests in relation to Bioenergy.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Rhys Greensill (Chief Operations Manager)
Organisation/ company	FITEC
E-mail address	Wootyee Wynn (FITEC) [Wootyee.Wynn@fitec.org.nz]
Tel numbers	09 356 8027
Please provide an outline of your activities / interests in relation to Bioenergy.	
As we are the Forestry Training Organisation, this workshop would enhance the knowledge and possible future needs with our Qualifications and framework as well as gaining valuable networking contacts throughout industry.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Chris Williamson
Organisation/ company	University of Canterbury
E-mail address	chris.williamson@canterbury.ac.nz
Tel numbers	03 3433414
Please provide an outline of your activities / interests in relation to Bioenergy.	
Significant involvement in biomass gasification to liquid fuels research programme at the Department of Chemical & Process Engineering at the University of Canterbury.	
What are you interested in finding out at the Seminar?	
Would like to know how industry regards biofuels production and when they will be prepared to start implementing the technologies.	

Name of Attendee (s)	Tony Robinson
Organisation/ company	MoRST
E-mail address	Tony.Robinson@morst.govt.nz
Tel numbers	64 4 917 2934
Please provide an outline of your activities / interests in relation to Bioenergy.	
Interested in the research that supports current and future bioenergy opportunities for New Zealand and the policies and incentives that encourage commercial bioenergy deployment.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Adriana Downie
Organisation/ company	Pacific Pyrolysis Pty Ltd
E-mail address	Adriana.downie@pacificpyrolysis.com
Tel numbers	+61 2 4340 4911 Mbl +61 425 265 130
Please provide an outline of your activities / interests in relation to Bioenergy.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Anna de Raadt
Organisation/ company	FRST
E-mail address	annaderaadt@frst.govt.nz
Tel numbers	021 799 821 or 917 7830
Please provide an outline of your activities / interests in relation to Bioenergy.	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Jack Ballagh
Organisation/ company	Fonterra Co-operative Group
E-mail address	Jack.balagh@fonterra.com
Tel numbers	06 278 2364; 027 5058 803
Please provide an outline of your activities / interests in relation to Bioenergy.	
Interested in investigating bioenergy as a fuel source for the dairy industry	
What are you interested in finding out at the Seminar?	

Name of Attendee (s)	Malcolm Souness
Organisation/ company	WEL Networks
E-mail address	Malcolm.Souness@wel.co.nz
Tel numbers	07 850 3162 or 027 292 5151
Please provide an outline of your activities / interests in relation to Bioenergy.	
Bio Gas, Bio mass, distributed generation	
What are you interested in finding out at the Seminar?	
Industry status	

Name of Attendee (s)	David Young
Organisation/ company	BECA CARTER HOLLINGS & FERNER
E-mail address	David.young@beca.com
Tel numbers	
Please provide an outline of your activities / interests in relation to Bioenergy.	
Consulting services	
What are you interested in finding out at the Seminar?	
Update of information	

Name of Attendee (s)	Prof Shusheng Pang
Organisation/ company	University of Canterbury
E-mail address	Shusheng.pang@canterbury.ac.nz
Tel numbers	
Please provide an outline of your activities / interests in relation to Bioenergy.	
What are you interested in finding out at the Seminar?	