



FRIDAY FORUM #28
Peak Oil – New Zealand’s Response

Friday, 2 September 2011, 9am – 12 noon
at
Waikirikiri Room, Landcare, Gerald Street, Lincoln

Speakers

Professor Bob Lloyd, of the University of Otago
With
Steve Abley, Abley Transportation Consultants
David Welch, Transport Commentator
And
Prof Chris Kissling, ROC (Renew our City)

After two successful lectures in Auckland, **The Sustainability Society** has invited Professor Lloyd from Otago University to give a follow up presentation in Christchurch on *Peak Oil – are we ready?* and *Peak Oil: NZs Response*. There is a link to a blog responding to the government’s presentation at the Auckland event on our website for those interested - <http://www.thesustainabilitysociety.org.nz/forums-short-courses/forum-27/>

Abstracts:

Professor Lloyd:

Concern for the environment and a move towards sustainable development has assisted progress in a wide range of renewable energy technologies in recent years. The science suggests that a transition from fossil fuels to sustainable sources of energy in a time frame commensurate with the demise of the fossil fuels and prevention of runaway climate change is needed. However, while the movement towards sustainable energy technologies is underway, the World does not want to give up the idea of continuing economic growth. In recent times the financial collapse of October 2008 has given rise to yet another set of pleas from corporations and politicians alike to restart the growth machine.

The transition to renewable energy technologies will be difficult to achieve as nowhere within existing economic and political frameworks are the limits to when growth will be curtailed being set. It is possible that the irrational insistence on endless growth as a non negotiable axiom, by a large proportion of the world’s population, may in fact be akin to the similarly irrational belief, by a similarly large proportion of the world’s population, that a supernatural being controls our existence and destiny. The irrationality of religion has recently been examined by Richard Dawkins in ‘The God Delusion.’ Dawkins’ book is used as a starting point to investigate similarities between a belief in God and a belief in continuous growth.

Profiles:

Dr Bob Lloyd came to New Zealand in 2002 after having worked for the Australian Co-operative Research Centre for Renewable Energy (ACRE), based at Murdoch University in Perth. At ACRE

he coordinated and edited a major review of standards in place for renewable energy systems in Australia. His current research interests at Otago University, where he is the Director of Energy Studies, lie in energy conservation in residential housing and energy management including world energy resources. His PhD from Flinders University in South Australia was completed in the field of experimental atomic physics.

Steve Abley is the Managing Director of Abley Transportation Consultants based in Christchurch and employs eight professional who provide advice to central, regional and local government as well as private developers and not for profit groups. Steve is a Chartered Professional Engineer and is a past recipient of the Hume Fellowship, a Commonwealth Study Conferences alumni and Transit New Zealand (now the New Zealand Transport Agency) scholar. He has a very keen interest in sustainable transport and in 2004 co-authored Designing Living Streets. Designing Living Streets is a manual for the creation of better walking environments and was launched at the House of Commons in London. Steve is a graduate of the University of Canterbury.

Dave Welch is a former Christchurch city bus driver and transport historian, author of many letters to newspapers and articles for publications. He has contributed many formal submissions and informal suggestions to city and transit authorities, from Taupo to Texas and, mostly, in hometown Christchurch NZ. A madness spanning 30 years!! Think global - act local... as Normandy in 1944 was won hedgerow by hedgerow so must a sustainable world be built bus stop by bus stop!!

Emeritus **Professor Chris Kissling** retired from Lincoln University at the end of 2009 where he was the Foundation Professor of Transport Studies. He is a geographer by training, and a specialist in transport systems analysis involving all modes of transport. He has been active in local, national and international arenas researching, editing and publishing books, papers and media articles involving transport and land use. He is a Past Chairman of the New Zealand Council of the Chartered Institute of Transport, and is a Board member of the Eastern Asia Society for Transportation Studies (EASTS). He has a long association with Christchurch and Canterbury dating from boarding days at Christ's College in the 1950s. He continues active research and run's his own consultancy business.

This is a free lecture – all are welcome

RSVPs are essential - Email vicky@thesustainabilitysociety.org.nz

Programme -

9am	Welcome and introductions	Dr John Peet Chair
9.10 am	Professor Bob Lloyd	
10.00am	Q& A	
10.20am	Morning tea (20 minutes)	
10.40am	Steve Abley	
11.00am	Dave Welch	
11.20am	Dr Chris Kissling	
11.40am	Q& A	
12.15pm	FINISH	

The Sustainability Society

The Sustainability Society is a Learned Society established to foster the discipline of sustainability engineering and science as the study of complex systems. The Society provides training and information sessions on sustainability through its workshops, seminars, forums and bi-annual international conferences.

Formerly, NZSSES, The New Zealand Society for Sustainability Engineering and Science is rebranding in preparation for the 5th International Conference – *Sustainability by Design: breaking the silos*.

The Sustainability Society is a Technical Interest Group of the Institution of Professional Engineers of New Zealand and an Affiliated Organisation of the Royal Society of New Zealand.

Sustainability Forums

The NZSSES hold regular forums aimed at exploring different engineering and science sectors and their approach to sustainability. The forums are morning sessions and comprise brief presentations from guest speakers followed by a facilitated discussion.

The aim of these Forums is firstly to give the speakers the opportunity to outline their understanding of the topic, and secondly, and perhaps more importantly, to provide the background information to resource what is hoped – and expected to be - a stimulating and forthright discussion.

Topics to date:

- *Forum 27 - Peak Oil: NZs response* Auckland (Sept 2011)
- *Forum 26 – Sustainability and the Auckland Plan*, Auckland (May 2011)
- *Forum 25 – Future of Buildings*, Auckland (March 2011)
- *Forum 24 – Peak Oil – are we ready?* Auckland (Sept 2010)
- *Forum 23 - Clean Tech, Green Tech & Sustainability Research*. Auckland (July 2010)
- *Forum 22 – Future of Food*, Auckland (Apr 2010).
- *Forum 21 – Future of Transport*, Christchurch (Apr 2010)
- *Forum 20 – Sustainable Water Supply for Auckland*. (Feb 2010)
- *Forum 19 – Conservation v Mining*. Auckland (October 09)
- *Forum 18 – Sustainable Air Quality for Auckland* (Sept09)
- *Forum 16 – Auckland: Sustainable Transport* (July 2009)
- *Forum 15 – Auckland: Complexity, Innovation and Decision* (May 2009)
- *Forum 14 – Auckland: Municipal Three Waters* (April 2009)
- *Forum 13 – Christchurch: Blueprints for Sustainable Infrastructure Conference Papers* (March 09)
- *Forum 12 – Auckland: Sustainable Housing* (Sept 2008)
- *Forum 11 – Christchurch: Strategies for Canterbury Water* (Aug 2008)
- *Forum 10 - Auckland: Sustainable Electricity* (July 08)
- *Forum 9 - Auckland: Biofuels* (May 2008)
- *Forum 8 – Christchurch: Water: Supply and Storage* (March 2008)
- *Forum 7 – Auckland: Future thinking and Frontier Design* (Feb 2008)
- *Forum 6 – Auckland: Carbon Trading* (Oct 2007)
- *Forum 5 – Auckland: Sustainable Transport: Cars and Congestion* (Aug 2007)
- *Forum 4 - Auckland: Governance and Sustainability* (Sept. 2006)
- *Forum 3 – Auckland: Consultants and Sustainability* (May 2006)