

## ESR Events 2003

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### Social and Policy Dimensions of Renewable Energy

- **Speaker:** Nick Goodall, CEO Energy Networks Assn, CEO Renewables East
- **Date:** Tuesday 25 November 2003
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Nick's presentation will give a perspective derived from the experience of three organisations whose futures are inextricably intertwined, namely the UK wind energy industry lobby, the quasi-Governmental renewable energy development agency in the East of England and also that of the trade association of the UK electricity and gas distribution companies.

The UK is committed to extensive growth in 'renewables' over the coming decades. However, the UK has historically relied on conventional, large scale generation and complex issues surround the movement towards connecting many small scale renewable plants and larger, clustered offshore windfarms.

The speaker will give a brief historical context and comment on the implementation of the policies now being established, as seen from developer, network operator and economic development agency perspectives.

This presentation will be liberally illustrated and will feature anecdotes and observations of the peculiar challenges of introducing wind energy into Europe's windiest country, which has hitherto lagged behind in development.

In a 'not very technical' presentation, the emphasis will be on the social and policy dimensions of these changes and will explore the creative tensions between the three organisations' positions on overcoming the hurdle of renewables (specifically wind energy) becoming a prime source of generation. It also looks at new opportunities in business and economic development as well as security of supply and sustainable development issues.

A lively and controversial speaker, Nick Goodall also intends to explore lessons that might be

learned from the UK for future scenarios in New Zealand. Designed to be an interactive presentation, the speaker welcomes audience participation.

For further information contact:

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## Engineering in Disaster Relief

- **Speakers:**
  - Derrick Depledge, RedR NZ Member, with disaster relief experience in Gujarat India, Palestine and Iraq.
  - Koen Versavel, Director of RedR International.
- **Date:** Thursday 20 November 2003
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

This public lecture forms part of the General Assembly of RedR International which is the federation of national RedR groups including RedR NZ. Each of the speakers (who are subject to confirmation) will comment on disaster relief and humanitarian aid from their own perspectives of policy, field experience and the place of RedR as part of the international disaster relief resource.

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## How BioEnergy Can Beat the Electricity Shortage in New Zealand

- **Speakers:**
  - Dr Per Nielsen, Science Leader Bioenergy at Forest Research, Rotorua
  - Stephan Heubeck, German agricultural engineer
- **Date:** Monday 17 November 2003
- **Venue:** Waikato University School of Management Hillcrest Road, Hamilton

Two speakers will deliver messages worth considering for New Zealand.

### **Biomass is a valuable New Zealand under-rated source of energy**

Danish professional engineer Dr Per Nielsen, currently Science Leader Bioenergy at Forest Research, Rotorua.

### **Electricity from cows' muck - German Farmers make money**

An income generating approach with Kyoto mitigation potential for New Zealand with German

agricultural engineer and recent immigrant Stephan Heubeck.

All are welcome to come, listen and debate where New Zealand should be spending its hard earned overseas income to offset the failure of the electricity 'marketeers' to plan for security of supply to New Zealanders - do we need \$billions Project Aqua and more overseas oil fired power stations?

For further information contact:

Prof. Thomas Neitzert  
Phone: 0-7-838 4556



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## Achieving Targets for Sustainable Energy in New Zealand

Event report available: [Sustainable Energy Forum Conference 2003](#)

- **Speaker:** The Sustainable Energy Forum (Inc)
- **Date:** Saturday 15 and Sunday 16 November 2003
- **Venue:** UNITEC Institute of Technology Carrington Road, Mt Albert, Auckland

The objective is to review the National Renewable Energy Strategy and the National Energy Efficiency and Conservation Strategy, and progress in their implementation, and to compare this with what might be considered to be realistically possible over the next decade (2003 - 2012). The end of this period coincides approximately with the end of the first commitment period under the Kyoto Protocol.

For further information contact:

Sustainable Energy Forum  
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Email: [info@sef.org.nz](mailto:info@sef.org.nz)  
Post: P.O. Box 11 152, Wellington



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## Bombies Video

- **Date:** Thursday 30 October 2003
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

During the Vietnam War, the United States dropped more than 350 million cluster bomblets over Indochina. The cricket-ball-sized bomblets spread over a wide area and are meant to explode on hitting the ground, releasing hundreds of ballbearings at ballistic speeds. Despite losing the war, the military was impressed by this weapon and it remains in use to this day, most recently in Iraq. Many of the bomblets fail to explode and remain as a terrible hazard to civilian populations. Jack Silberman's film "Bombies" traces the history of the cluster bomb and describes its impact upon the population of Laos from the time of the Vietnam War to the present day. This presentation forms part of the 'Clear Up!' campaign, organised by Landmine Action in order to obtain an international moratorium on the use of this weapon.

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## How Clean is Auckland's Air?

Event report available: [How Clean is Auckland's Air?](#)

- **Speaker:** Kevin Mahon, Air Quality Manager, Auckland Regional Council
- **Date:** Thursday 16 October 2003
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

More than 250 Aucklanders die every year from air pollution. The Government is considering demands from groups such as Clean Air Auckland for vehicle emission standards, emission checks during WOF tests, and cleaner fuel. Kevin will speak about motor vehicle emission impacts on ambient air quality, the associated health impacts, current trends and future solutions.

Kevin Mahon is the Air Quality Manager for the Auckland Regional Council. He has been responsible for issuing and enforcing Air Discharge Consents; stack emission testing and odour assessment; ambient monitoring and investigations; policy development and implementation; community relations and education. Recently Kevin has been very involved in transport-related air quality issues and campaigns, such as *0800SMOKEY* and *diesel sulphur reduction*, to raise public awareness about the health implications of vehicle emissions.

The Clean Air Society of Australia and New Zealand recognised Kevin's contribution to air quality work with an Achievement Award in 2002.

For further information contact:

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## Embedded Sustainability versus Global Corporate Sustainability

Event report available: [Local Embedded Sustainability Versus Corporate Sustainability](#)

- **Speaker:** Warren Snow, Manager, Envision New Zealand
- **Date:** Thursday 18 September 2003
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Warren will outline how these conflicting world views and how one wants local self managing economies, with more local ownership and control, shorter supply chains, and preservation of natural, social and ecological capital, whilst the other sees it's role as growing endlessly and saving the world through strength - and that to have that strength, large powerful corporations are required to manage the ever increasing complexities of the world economic system. This requires ever more frictionless supply chains and centralised control and power with benefits accruing to locals and stakeholders through share ownership. Warren will involve the audience in the dilemma

we face as a result of these two divergent forces for change interplaying and inevitably clashing as world events have shown in the past few years.

Warren Snow has a background in marketing and communication. In 1989 he left this area of work to start a new career focusing on environmental and local economic development issues. He has since advised communities through NZ on strategies for creating sustainable jobs and businesses and has assisted many environmental employment projects based around recycling/waste reduction, habitat protection, and energy efficiency. He co-founded the Zero Waste New Zealand Trust in 1989 (an organisation that has assisted over 50% of NZ municipalities to set Zero Waste targets), managed the Tindall Foundation from 1995 to 2000 (NZ's largest private philanthropic organisation), co-founded Waste Not Auckland (a environmental consultancy) and the Recovered Materials Enterprise Fund in the late 90s and currently manages an environmental and sustainability planning consultancy, Envision NZ Ltd. He has made many national and international addresses on the topic of zero waste and sustainability. He was awarded a Queens Birthday Honour this year for his work.

For further information contact:

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## ESR 20th Anniversary Lecture

Event report available: [ESR 20th Anniversary Lecture](#)

- **Speaker:** Gerry Te Kapa Coates, President of IPENZ and Founder of ESR
- **Date:** Thursday 21 August 2003
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

ESR was founded by Gerry Coates in June of 1983, and the first Auckland meeting was held in August of that year. To mark our 20th anniversary, Gerry will be giving a special address to the Auckland Branch of ESR. In it he plans to remind us of the reasons for ESR's coming into being, and to review our progress to date. He will talk about sustainability and how to make it happen (with some views on China and other parts of the world), and say something about hegemony US-style and the clear and present danger we are still in from nuclear weapons.

For further information contact:

Lawrence Carter

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## The Electricity Crisis, the Market and the Future

Event report available: [The Electricity Crisis, the Market and the Future](#)

- **Chairman:** Doug Dell, Consultant and former Asst. General Manager of NZED
- **Panellists:** Bryan Leyland - Consultant, John Blakeley - Consultant and Convenor of the

Sustainable Energy Forum and Doug Heffernan - Chief Executive of the Mighty River Power Co.

- **Date:** Thursday 17 July 2003
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Lack of rain (again), soaring market spot prices and an impending shortage of gas leave no doubt that a crisis exists. Efforts at industry self-regulation have broken down, and Govt. will appoint an Electricity Commission. What needs to be done to ensure security of supply at an affordable cost? Stockpile coal? Reform the market? Further incentives for renewable energy and conservation?

Bryan Leyland, John Blakeley and Doug Heffernan will each present their assessment of the problem, and respond to questions from the floor.

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## Major Public Transport Infrastructure Projects in Auckland - a progress report

Event report available: [The Emerging Role of Public Transport in Auckland](#)

- **Speaker:** Barry Mein - Director of Transport at the Auckland Regional Council
- **Date:** Thursday 19 June 2003
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Barry will tell us of progress on the major public transport infrastructure works in Auckland, including Britomart, the rail corridors, North Shore Busway, etc., and the likely impact these projects will have on Auckland's transport problems.

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## Environment and Markets, Time for a Paradigm Shift?

- **Speaker:** Peter Kammler
- **Date:** Thursday 8 May 2003
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Peter Kammler is an engineer and businessman. He made New Zealand his home nearly two decades ago but still maintains contact to his home town Berlin. Peter is a founding member of the electricity watchdog Power for Our Future. This organisation successfully opposed the sale of

the Manapouri power station in 1992. Peter has been a Board member of Greenpeace New Zealand, and presently is chairman of the Greenpeace NZ Charitable Trust. He has made quite a few contributions to the environmental debate, in particular where environment and economy interact.

Peter will set the present environmental debate in its historical context. He will show that we are witnessing - and participating - in gigantic struggle which could have been decided 500 years ago.

As Peter will say, the climate problem is urgent, the facts are uncertain, and the stakes are high. This is the classic definition of a risk situation, and should be treated as such. Instead, it is treated like a matter of ideology. He also will touch on one of the unwritten laws of nature, the law of unintended consequences which, eventually, will play out in favour of the environmentalists.

In the end, says Peter, the outcome of the environmental debate, and policy decisions will vindicate the green movement. The only question remaining is: will the transition take place in a planned and orderly fashion, or in upheaval and uncertainty. With that question, we also will decide whether our children and grandchildren will live in a world of limited resource use - but still in a comfortable and orderly world, or whether they will have to live in a world of resource wars, deprivation, and uncertainty.

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## Solid Waste Management in Sri Lanka

Event report available: [Solid Waste Management in Sri Lanka](#)

- **Speaker:** Sean Finnigan
- **Date:** Thursday 10 April 2003 *NOTE - changed from normal day!*
- **Time:** 7:30pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

Sean Finnigan gained a Chemical/Materials engineering BE from Auckland, PhD UK; then became interested in development work. He did VSO work in Tanzania - teaching physics/chemistry/maths in secondary school. He came back to NZ after 10 years away wanting to get into environmental engineering, still with interest in development. He has worked on mainly solid waste (garbage) management projects in Tanzania (18 months), Cambodia (1 mth) and Sri Lanka (11 mths) as Environmental Engineer for Fraser Thomas in Auckland.

Sean has been working on two solid waste management projects in 8 different towns in Sri Lanka for about 10 months since October 2001. These projects have involved investigating the present SWM conditions in these towns and looking at how SWM could be improved, including the implementation of some pilot projects in cooperation with the local authorities. He has visited and investigated NGOs working with the urban poor on home composting and recycling projects, polythene recycling factories, a locally developed and patented "inclined step grate" composting system, and much more. Sean will give an overview of SWM in Sri Lanka, drawing on these and other experiences.

For further information contact:

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## ESR Auckland Branch Annual General Meeting

Event report available: [ESR Auckland Branch Annual General Meeting 2003](#)

- **Date:** Thursday 10 April 2003
- **Time:** 7:00pm
- **Venue:** Room 3.407, School of Engineering, The University of Auckland, 20 Symonds Street

The business of the meeting will be to receive the Auckland Branch annual reports and to elect the incoming Auckland Branch Executive, followed by general business pertinent to the Annual General Meeting.

Nominations are called for the positions of Auckland Branch Chairman, Secretary, Treasurer and Committee members. Prior nominations are preferred, but will be accepted at the meeting.

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## ESR Annual General Meeting

Event report available: [ESR Annual General Meeting 2003](#)

Event report available: [ESR President's Report](#)

- **Date:** Saturday 29th March 2003
- **Time:** 5:15pm
- **Venue:** The Buttery, Bryant Hall, Waikato University, Hamilton

The business of the meeting will be to receive the ESR Annual Reports, items of general business and election of the 2003 Executive Nominations are called for Chairman, Secretary and Treasurer.

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## ESR 18th National Conference - Building a Sustainable Future

Event report available: [ESR 18th National Conference](#)

- **Date:** Saturday 29th March 2003
- **Time:** 8:30am to 5:00pm

- **Venue:** The Buttery, Bryant Hall, Waikato University, Hamilton

The ESR Annual Conference theme complements that of the following IPENZ Convention "Building engineering capability to meet new paradigms", but emphasises the need to address the issues of appropriate resource use, social and environmental impacts of development, and the major issues of poverty and inequality in the world. The goal must be to achieve a better quality of life for all people, both within New Zealand and throughout the world. In the past, the focus has been on economic development and higher consumption, but now engineers must take a much broader approach to achieve the more appropriate goal of a sustainable and equitable future for all the world.

A first class range of speakers has been arranged, with Dr. Morgan Williams, Parliamentary Commissioner for the Environment, giving the keynote address.

## **Background Documents**

- [Making New Zealand Strong](#), a discussion paper from the Sustainable Development Forum, 26 November 2002
- [Engineering Education for Sustainable Development](#), Philip Smith, Ines Newsletter No. 39, November 2002

## **PROGRAMME**

### **8:30am Registration**

- 9:00am Welcome and Mihi
- 9:15am President's Opening and welcome

### **9:20am SESSION 1 - Achieving Quality of Life through Sustainable Development**

Keynote Speaker: Dr. Morgan Williams, Commissioner for the Environment  
Chair: Lawrence Carter, President, ESR

- 10:15am Questions and discussion
- 10:45am Morning tea

### **11:00am SESSION 2 - The Role of Business in Building a Sustainable Future**

Speaker: Dr. Rodger Spiller, Executive Director, N.Z. Centre for Business Ethics and Sustainable Development

Chair: John La Roche, ESR Auckland

- 11:30am Group discussion and plenary feedback
- 12:15pm Lunch

### **1:15pm SESSION 3 - Sustainable Technology**

#### **Speakers:**

1. Ron McDowall, Director, Centre for Sustainability Engineering and Research, Auckland University
2. Prof. Frank Scrimgeour, Professor of Economics, Waikato University
3. Norm Stannard, Management and Quality Services Ltd

Chair: Prof. Thomas Neitzert, Waikato University Engineering School

- 2:15pm Group discussion with plenary feedback
- 3:00pm Afternoon Tea

### **3:15pm SESSION 4 - Barriers to Sustainable Development faced by Developing Nations "what happened at the WSSD in Johannesburg"**

Speaker: Rae Julian, Executive Director, Council of International Development  
Chair: Jack Woodward, ESR Auckland

- 3:50pm Group discussion and feedback

### **4:40pm CONFERENCE SUMMING UP**

John Peet, ESR Christchurch

- 5:00pm Conference closes

Please download the [Conference Registration Form](#) (MS-Word file)

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## **Future Energy in New Zealand**

Event report available: [Future Energy in New Zealand](#)

- **Speakers:** John Blakeley, Mike Underhill, Prof. Peter Kamp
- **Date:** Thursday 20 March 2003
- **Venue:** University of Waikato Management School

The largest threat to NZ - the Maui gas field is nearly dry? Does it mean a large coal fired power station will be forced upon the Waikato within the next two years? John, Mike and Peter will put forward their analyses of the dire situation we face.

John Blakeley is a long time energy researcher, convenor of the Sustainable Energy Forum (SEF) and public commentator. Mike Underhill is the chairman of the government's Energy Efficiency and Conservation Agency (EECA) and CEO of WEL Networks. The meeting chairman, Peter Kamp, is from the Waikato University department of Earth Sciences whose specialist area of study is global fossil-based energy sources.

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