

Friday Forum #11

Canterbury Water: The challenges and strategies

Friday, 29 August 2008 11.30am – 2pm

MWH Reception Rooms, 7 Deans Ave. Christchurch

Speakers:

Jenny Ridgen, Programme Manager Healthy Environment, Christchurch City Council
Jenny manages a programme of work on natural environment policy issues for the Strategy and Planning Group in CCC. Current projects include preparing strategies for water supply, surface water, open space, biodiversity and climate change.

Jenny has 18 years experience in resource management, ranging from roles in investigations, pollution control, monitoring, laboratory technician, research, planning and policy development. She has a passion for the natural environment and her policy work has covered a wide range of topics including biodiversity, coastal planning, climate change, natural hazards, surface water and water supply.

Part-time study, including the Graduate Certificate in Antarctic Studies, coastal studies and preparation of a thesis on Canterbury's dry plain grasslands, has led to an M.Sc. in Environmental Science, awarded with distinction.

Jim Bradley, Senior Consultant, MWH New Zealand Limited,

Jim has a long distinguished professional career in the water and waste fields of civil, environmental and public health engineering in New Zealand, he has been particularly active in serving local authority clients. Passionate about sustainable development, Jim has given over 60 national and international papers and presentations, and has participated in a number of national and international advisory groups, technical committees, and industry associations boards.

Jim is a fellow of the Institute of Professional Engineers in New Zealand, a Diplomat of the American Academy of Environmental Engineers, a Life Member of the New Zealand Water and Waste Association and an Honorary Member of the Waste Management Institute of New Zealand and a former board member of WEF representing the New Zealand Water and Waste Member Association.

Jim was the inaugural winner of the IPENZ Supreme Technical Award for Engineering Achievers in 2004 in the Sustainability and Clean Technology category, and in 2005 was the inaugural winner of the William Pickering Award for Engineering Leadership (covering all forms of engineering) at the New Zealand Engineering Excellence Awards.

In June 2008 Jim was invited to present a paper at the prestigious Water Environment Federation Sustainability 2008 Green Practices for the Water Environment conference. His paper titled '*Practical Progress in the New Zealand Journey towards more Sustainable Water and Wastewater Management*' was well received. Jim's observations from this conference have further provided him with a good understanding of a number of trends and practices and the comparisons with our NZ trends practices and needs. He will also draw on those experiences in the upcoming NZSSES forum.

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.

It is hoped that problems with understanding and implementing sustainability principles will be identified and discussed.

Topics so far:

- Sustainable Electricity (July 08)
- Biofuels (May 2008)
- Water: Supply and Storage (March 2008)
- Future thinking and Frontier Design (February 2008)
- Carbon Trading (October 2007)
- Sustainable Transport: Cars and Congestion (August 2007)
- Talking and Walking Sustainability Conference (February 2007)
- Governance and Sustainability (September 2006)
- Consultants and Sustainability (May 2006)

NZSSES

The New Zealand Society for Sustainability Engineering and Science is a Learned Society established to foster the discipline of sustainability engineering and science as the study of complex systems. NZSSES provides training and information sessions on sustainability through its workshops, seminars, forums and international conferences.

The NZSSES 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.

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Programme –5 September 2008

11.30am	Welcome and introductions	Dr John Peet NZSSES
11.45am - 12.30m	<i>A Water Supply Strategy for CCC</i> Christchurch relies on groundwater for its high quality water supply that requires no treatment. Maintaining the quality of this water and meeting increasing demands for more water as the City grows holds a number of challenges. This presentation provides an overview of the work that is underway to prepare a water supply strategy for the management of CCC's water supply for the next 30 years.	<i>Jenny Ridgen</i>
12.30pm	Lunch	
1.00-1.45pm	<i>National and International Trends and Practices in Water Management – Application in a Canterbury Context</i> Jim will traverse a number of national and international water management trends and practices. These will include the trends and practices that relate to the urban, rural and the wider natural catchment. Case histories and lessons learnt from elsewhere will be included to highlight specific policies and practices and what they do, and do not always achieve. A selection of these trends and practices will be matched against the present and possible future as it relates to both the urban / community areas and also the wider Canterbury natural catchments. An objective of Jim's approach will be to stimulate forum discussion and highlight the pro's and con's of both present practice and some of those proposed for the future. He will draw on recent overseas conference experiences as well as his long experience working throughout New Zealand.	<i>Jim Bradley</i>
1.45pm 2.30pm	Panel Discussion / Debate / Wrap up FINISH	

Registration / Information

Fee	<ul style="list-style-type: none"> ○ Free for members of NZSSES ○ \$40 incl. gst for non members ○ Please note a 25% cancellation fee applies to all cancellations. ○ Cancellations made within 48 hours and Non-attendance on the day will incur the full fee
More information?	<i>Details on www.nzsses.auckland.ac.nz</i>
To Register	<i>Email to vicky@nzsses.org.nz</i>