



The Society for
Sustainability and
Environmental Engineering



South East Queensland's Transport System in the Peak Oil and Climate Change Era

Date:

Tuesday 19 May 2009

Venue:

The Irish Club
175 Elizabeth St
BRISBANE QLD 4000

Cost:

Members	\$25
Non Members	\$30
Students (full time)	\$15

Please register to assist catering

Time:

3:30pm for **4:00pm start**

PROGRAMME

- 4:00 **Welcome**
Lara Harland – SSEE QLD Chair
- 4:05 **Introduction**
Mike Brady – QLD Division Deputy President
- 4:10 **Sustainable Communities and Transport**
Professor Peter Newman – Professor of Sustainability, Curtin University
- 4:40 **Peak Oil: Threats and Opportunities for Southeast Queensland's Transport System**
Stuart McCarthy - Brisbane Coordinator for the Australian Association for the Study of Peak Oil and Gas
- 5:00 **Connecting SEQ 2031: An integrated regional transport plan for SEQ**
Arthur Stamatoudis – Principal Manager (Transport Strategy), Department of Transport and Main Roads
- 5:20 **Brisbane City Council Transport Plan for Brisbane 2008 to 2026**
Barry Broe – Divisional Manager Brisbane Infrastructure, Brisbane City Council
- 5:40 **SHORT BREAK**
- 5:55 **Rail's Role in a Sustainable Transport Future**
Tony Ramsden – Environment and Sustainability Strategy, Queensland Rail
- 6:15 **Alternative Transport**
Tristan Peach
- 6:35 **OPEN FORUM FOR DISCUSSION WITH ALL SPEAKERS TO FORM A PANEL**
- 7:25 **Thank you and close**
Alex Howie, RTSA QLD Chair
- 7:30 **LIGHT SUPPER AND NETWORKING**

Drinks and Networking

Please join us for a few drinks and light supper after the presentation.

The presentation will count as three (3) hours towards your CPD.



TOPIC ABSTRACTS

Sustainable Communities and Transport

Professor Peter Newman – Professor of Sustainability, Curtin University

Peter will discuss how cities are a necessary focus for that global agenda and the essential character of a city's land use results from how it manages its transportation, and that only by reducing our automobile dependence will we be able to successfully accommodate all elements of the sustainability agenda. He will also examine the connections among transportation and other issues and explain how all elements of sustainability can be managed simultaneously.

Peak Oil: Threats and Opportunities for Southeast Queensland's Transport System

Stuart McCarthy - Brisbane Coordinator for the Australian Association for the Study of Peak Oil and Gas (ASPO-Australia).

World oil production is at its peak and will likely be declining within several years. Domestic oil production peaked in 2000 and by 2015 Australia will be approximately two thirds dependent on imported oil. The peak oil phenomenon presents enormous threats and opportunities for South East Queensland's transport system. Although the South East is highly car dependent, there is strong evidence of a change in preferences to sustainable transport. The challenge for transport planners and policy makers is to urgently expand the public and active transport system in order for it to become the preferred mode for the majority of travelers and mitigate the near to medium-term socio-economic impacts of peak oil.

Connecting SEQ 2031: An integrated regional transport plan for SEQ

Arthur Stamatoudis - Principal Manager (Transport Strategy), Department of Transport and Main Roads

The Department of Transport and Main Roads is preparing a new regional transport plan for south east Queensland titled Connecting SEQ 2031: An Integrated Regional Transport Plan for South East Queensland.

The first Integrated Regional Transport Plan for South East Queensland was released in 1997. Significant new challenges have emerged for the transport system over the last decade, including the need to reduce emissions to respond to climate change, increasing congestion, and increasing costs to provide transport infrastructure and services. Connecting SEQ 2031 will respond to these new challenges, support the review of the South East Queensland Regional Plan and present a strategic framework for developing the future transport network for the region.

Brisbane City Council Transport Plan for Brisbane 2008 to 2026

Barry Broe - Divisional Manager Brisbane Infrastructure, Brisbane City Council

Brisbane City Council has recently updated the Transport Plan for Brisbane. The city's economic growth and the lifestyle of its residents depend upon an efficient transport system. Barry will discuss how the transport plan was developed, including key assumptions and how it will address each of the six strategic objectives of the plan.

Rail's Role in a Sustainable Transport Future

Tony Ramsden – Environment and Sustainability Strategy, Queensland Rail

It has long been known that the transport sector (comprising of rail, road, shipping and air) consumes a significant amount of energy and in light of ever increasing demand (particularly with cars), is one of the fastest growing emissions sectors in Australia. It is generally recognised within the broader community that rail in itself is a more sustainable industry because it moves people safely, efficiently (consuming less energy resulting in lower greenhouse emissions than other modes) and reduces the amount of heavy vehicle traffic, thereby improving the quality of life in terms of mobility, health and environmental impacts.

Increased pressures on road networks and rising fuel costs have resulted in an increase in the use of public transport due to the personal impact on the travelling public. With the majority of Australia's metropolitan passenger rail systems being electrified, rail is poised to take a greater role in oil scarce, carbon contained future economy. There is recognition within the rail industry that the delivery of sustainable transport outcomes into the future involves a suite of marketing, infrastructure and operational strategies including improved urban planning and cooperation amongst transport modes to ensure improved integration and effective people and product transfer.

Alternative Transport

Tristan Peach

Tristan will present alternative plans for the region's transport system. He will begin with a short critique of the current local, state and federal government approach to transport planning and outline some of the deficiencies in the region's transport system. He will then present alternative plans and policies for the region that could improve accessibility and make a better contribution to reducing oil dependence and greenhouse gas emissions.

ABOUT OUR SPEAKERS

Professor Peter Newman – Professor of Sustainability, Curtin University

Peter is the Professor of Sustainability at Curtin University and is on the Board of Infrastructure Australia that is funding infrastructure for the long term sustainability of Australian cities. He has recently returned from a North American tour promoting his two new books 'Resilient Cities: Responding to Peak Oil and Climate Change' and 'Green Urbanism Down Under', both written with Tim Beatley. In 2001-3 Peter directed the production of WA's Sustainability Strategy in the Department of the Premier and Cabinet. It was the first state sustainability strategy in the world. In 2004-5 he was a Sustainability Commissioner in Sydney advising the government on planning issues. In 2006/7 he was a Fulbright Senior Scholar at the University of Virginia Charlottesville where he wrote his new books. In Perth, Peter is best known for his work in saving, reviving and extending the city's rail system. Peter invented the term 'automobile dependence' to describe how we have created cities where we have to drive everywhere. For 30 years since he attended Stanford University during the first oil crisis he has been warning cities about preparing for peak oil. Peter's book with Jeff Kenworthy 'Sustainability and Cities: Overcoming Automobile Dependence' was launched in the White House in 1999. He was a Councillor in the City of Fremantle from 1976-80 where he still lives.

Stuart McCarthy - Brisbane Coordinator for the Australian Association for the Study of Peak Oil and Gas (ASPO-Australia).

Stuart McCarthy is the Brisbane Coordinator for the Australian Association for the Study of Peak Oil and Gas (ASPO-Australia). He is a serving officer in the Australian Army, with over 20 years' experience in a variety of roles including engineering, logistics and planning, in Australia, South East Asia, the Pacific Islands, Africa and the Middle East. He has written extensively about the implications of peak oil for transport, infrastructure and national security. Stuart is a member of the Sunshine Coast Regional Council's *Energy Transition* Project Reference Group and other initiatives to reduce South East Queensland's oil dependence.

Arthur Stamatoudis - Principal Manager (Transport Strategy), Department of Transport and Main Roads

Arthur Stamatoudis is the Principal Manager for Transport Strategy within the Department of Transport and Main Roads. Arthur is a transport professional who has worked in the state government for over 13 years. Arthur has an Engineering degree majoring in transport and traffic and has balanced this technical background with planning and policy experience while on the job. Formerly, Arthur was a Principal Planner in TransLink and lead the development of the TransLink Network Plan update. In his current role, Arthur leads the development of Strategic Network Investigations and Integrated Regional Transport Plans across the State. Arthur's key role is to lead the development of the next Integrated Regional Transport Plan for south east Queensland called Connecting SEQ 2031.....

Barry Broe - Divisional Manager Brisbane Infrastructure, Brisbane City Council

Prior to joining Council in July 2008, Barry was the Director of Transport Planning and Policy for Transport for London for five years. In this role Barry developed the highly successful Transport Plan for London and the transport strategy that supported London's 2012 successful bid for the Olympic Games. Barry was also responsible for numerous transport projects in London including the development of London's Integrated Fares Policy and Oystercard ticketing strategy, the Thames Gateway Bridge project, Victoria Station upgrade, and the East London and Croydon Tramlink extensions. Prior to moving to the UK in 2002, Barry was the Director of Transport Planning for Queensland Transport. Barry holds a degree in civil engineering with first class honours from the University College Dublin and a Masters degree in Engineering and Technology Management from University of Queensland.

Tony Ramsden – Environment and Sustainability Strategy, Queensland Rail

With over 30 years of experience in the rail industry, Tony brings a wealth of applied knowledge to QR - Australia's largest rail business. Tony has been responsible for the provision of risk advice to executive management and setting the strategic management framework to achieve significant and measured progress in its environmental and business performance. Being an integral component of the direction of QR's environmental sustainability performance over the last decade, the next phase of work focus is to solidify QR's corporate sustainability and carbon management frameworks.

Tristan Peach

Tristan has worked as a sustainable transport activist for groups including the Samford Transport Group, Communities Against the Tunnels and Community Action for Sustainable Transport. His 2007 masters thesis 'Public transport and public opinion' explored why people use or avoid using public transport and it received the Minister's Town Planning Prize. He currently works as a town planner on public space and community engagement projects. He does not own a car and in his spare time he writes, records and performs alternative rock music with friends

REGISTRATION

Yes, I will be attending the **SEQ Transport System** session on 19 May 2009. The online registration system is down so please register as described below.

To register:

- Fax your registration to (07) 3832 2101
- Email a completed form to Lauren Moon at lmoon@engineersaustralia.org.au
- Phone Lauren Moon on (07) 3832 3749

Name (s) _____

Company _____ Address _____

Telephone _____ E-mail _____

	Number	Cost	Sub Total
Members	_____	\$25.00 (Inc GST)	_____
Non-members	_____	\$30.00 (Inc GST)	_____
Students (full time)	_____	\$15.00 (Inc GST)	_____
		TOTAL COST	_____

Please register me and I will pay on the night

Payment by cheque:

Please make cheques payable to the Institution of Engineers, Queensland Division

Payment by credit card:

Bankcard MasterCard Visa Diners Amex

Card number _____ Expiry date _____

Signature _____ Cardholder's Name _____

Registrations may be faxed ONLY if credit card payment is included.

Once completed this form is a valid tax invoice.

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