



Church, O'Connor, ACT

Public Forum Transitioning to Renewable Energy

Wednesday 10th June 2015

**The Factory St Pius X High School
Adamstown**

Speakers' Bios and Topic References

Proudly arranged by:

The Social Justice Council of the Catholic Diocese of Maitland-Newcastle.

Dr Mark Diesendorf – Sustainable Energy Solutions for Climate Change

Dr Mark Diesendorf is an Associate Professor and Deputy Director of the Institute of Environmental Studies at the University of New South Wales, Sydney.

Previously, at various times, he was a Principal Research Scientist in CSIRO, Professor of Environmental Science and Founding Director of the Institute for Sustainable Futures at University of Technology Sydney, and Director of Sustainability Centre Pty Ltd.

Currently his principal research is on rapid mitigation of global climate change and, in particular, integrating renewable energy on a large scale into electricity supply-demand systems.

His most recent book, *Sustainable Energy Solutions for Climate Change* (UNSW Press and Routledge-Earthscan, 2014), will be available at the Forum at wholesale price (\$33 cash).

WEBLINKS:

Articles and slideshows can be downloaded from his website: <http://www.ies.unsw.edu.au/our-people/associate-professor-mark-diesendorf/>; scroll down to Recent Popular Articles and Presentations.

Replacing fossil fuels with renewables -- what's possible? <https://www.youtube.com/watch?v=O5Ho4e8fkPI>

icoal2.0 GetUpAustralia

<http://www.youtube.com/watch?v=2HCL4eH7yAc&feature=Playlist&p=EB5BD521B9ED258F&index=19>

Samsø is CO2 negative http://www.youtube.com/watch?v=1_ZY0ilFdYw

What's the worst that can happen? The most terrifying video you will ever see

<http://www.youtube.com/watch?v=zORv8wwiadQ>

Climate Change Teaching Module by Dr Diesendorf <http://mn.catholic.org.au/social-justice>



Photo:Blayney, NSW

Thea Ormerod - The position of the Catholic Church on Environmental Issues

Thea is a Catholic Christian, a semi-retired social worker, grandmother and climate activist. She has long been involved in a range of social justice issues, mainly concerning global poverty.

For the last seven years Thea has been involved in the multi-faith climate action organisation, the Australian Religious Response to Climate Change (ARRCC, pronounced “ark”) and is currently the President. www.arrcc.org.au

Thea’s career was in counselling - tutoring at the Australian Catholic University and marriage education with CatholicCare; but her campaigning interests have been in Jubilee 2000, the Australian Fair Trade and Investment Network, and Micah Challenge.

WEBLINKS:

Catholic Earthcare Australia: <http://catholicearthcare.org.au/>

Global Catholic Climate Movement <http://catholicclimatemovement.global/>

ARRCC: <http://www.arrcc.org.au/>

OurVoices: <http://ourvoices.net/>

National Catholic Reporter: <http://ncronline.org/>

Prof Peter Sainsbury - Health Impacts – the true cost of Coal

Peter is a Director of Population Health in South Western Sydney Local Health District; Adjunct Professor at Notre Dame Medical School, Sydney; Visiting Professor in the Faculty of the Built Environment UNSW; and Associate Professor in the School of Public Health, Sydney University. Past president of the Public Health Association of Australia, past member of the National Health and Medical Research Council and Australian Health Ethics Committee and is currently a Director of the Climate and Health Alliance.

Peter’s qualifications and experience cover medicine, health planning, sociology, health services management and public health. His professional interests include inequalities in health, healthy urban development, and climate change and environmental sustainability. Other interests include figurative war memorials, cooking and eating, the arts, cricket and Florence Nightingale.

WEBLINKS:

Armstrong F. 2015. Coal and Health in the Hunter: Lessons from one valley for the world. Climate and Health Alliance, Melbourne. http://caha.org.au/wp-content/uploads/2015/02/CAHA.CoalHunterValley.Report.FINAL_.Approvedforprint.pdf

Climate Council and Climate and Health Alliance. 2014. Joint Statement on the Health Effects of Coal in Australia. http://caha.org.au/wp-content/uploads/2010/01/Climate-Council_Joint-statement_FA-WEB-PDF.pdf

Climate Council. 2014. Briefing Paper: Health Effects of Coal. http://caha.org.au/wp-content/uploads/2010/01/Climate-Council_HealthEffectsofCoal_WEB-PDF.pdf

Armstrong F. 2012. Our Uncashed Dividend. The health benefits of climate action. Climate and Health Alliance and The Climate Institute, Melbourne. http://caha.org.au/wp-content/uploads/2010/11/OurUncashedDividend_CAHAandTCI_August20121.pdf

The Human Cost of Power (a 16 minute short film exploring the health effects of coal and coal seam gas mining). https://www.youtube.com/watch?v=y5DIDUB_RyA

Dr Alan Rai The Mining Downturn and the potential ways forward for the Hunter Economy

Alan is a Hunter Research's Principal Economic Consultant, a role in which he assists organisations to manage their business and commercial risk, adapt to change, and maximise value. He also manages the delivery of the Foundation's important regional research program in the Hunter Region. Alan has consulted to a wide variety of Hunter-based organisations, across both the public and private sectors.

Prior to joining Hunter Research, Alan was a Senior Energy Economist at the CSIRO, where he provided consulting services to network providers and other key stakeholders in the Australian electricity and gas market.

Before CSIRO, he was an Assistant Professor in Finance at Macquarie University, and he started his professional career as an Economist at the Reserve Bank of Australia.

Alan has a double degree in commerce and economics from the University of Newcastle and completed an Honours year at Macquarie University. Alan holds a PhD in Financial Economics from the University of New South Wales.

WEBLINKS:

Economic commentary on the Hunter economy <http://www.hrf.com.au/uploads/publications/Hunter-Economic-Indicators-March2015.pdf>

Forecasts of energy intensity http://www.bp.com/content/dam/bp/pdf/Energy-economics/energy-outlook-2015/Energy_Outlook_2035_booklet.pdf

Electricity generation capacity in NSW <http://www.resourcesandenergy.nsw.gov.au/investors/projects-in-nsw/electricity-generation>

Data on population shares in Australia and the Hunter <http://www.abs.gov.au/census>

Data on population shares in different geographic areas across the world <http://esa.un.org/wpp/Excel-Data/population.htm>

Daniel Wallace - A just Transition for Miners and Mine Contractors in the Hunter Valley

Daniel has been involved in manufacturing and mining for over 18 years, with 10 years experience as an Australian Manufacturing Workers Union State Organiser.

He was elected Secretary to the Newcastle Trades Hall in August 2014; and has since helped double the membership from 33,009 to 66,000 workers represented in the Hunter.

Daniel is also a Councillor on Lake Macquarie City Council.

Follow up self study and research

With the generous assistance of our speakers, all electronic presentations will be archived on the website of the Diocese at: <http://mn.catholic.org.au/social-justice>

Many of the Photos and posters on display will be archived in the Diocesan library

St Lawrence Resource Centre at Broadmeadow
Ph: 4902 9100 / Email resourcecentre@mn.catholic.edu.au

Other reading – from a Catholic and Interfaith perspective, on the Environment, and Care for the Planet, Etc, are also available.