

Energy Productivity and Partnerships

The next energy (r)evolution

Conference Programme

EMANZ Conference 2016

Auckland, 17-18 May

DAY 1 - TUESDAY 17 MAY - LEVEL 9, WESTPAC ON TAKUTAI SQUARE, AUCKLAND

Bill Heaps, Conference MC

8.00 - Registration and Coffee

9.00 - Conference Opening and Welcome

Scott Noyes, *EMANZ Chair*

John Mauro, *Chief Sustainability Officer, Auckland Council*

MORNING - Energy Productivity Plenary

9.10 - Energy Productivity - the Global Context

Robert Tromop

Director, Efficient Energy International Ltd

Robert will provide insights from one of the first multi-country studies on energy productivity.

9.40 - Why NZ's Overall Productivity is so Difficult to Lift and What Will Help

Paul Conway

Director, Economics and Research, Productivity Commission

Paul will outline why lifting the overall productivity of New Zealand firms has proven to be so difficult and outline the policies needed to capitalise on current global opportunities.

10.00 - Transforming Australia's Offices - A Ten Year Plan

Rob Murray-Leach

Head of Policy, Energy Efficiency Council, Australia

On behalf of the Australian Energy Efficiency Council, Rob will give an overview of the Australian Government's National Energy Productivity Plan and their overall energy efficiency platform.

10.30 - Morning Tea, Networking and Exhibitor Displays

11.00 - Latest Developments in Energy Efficiency Finance: Building the Jigsaw

Dr. Steven Fawkes

Founder and Principal, Energy EnergyPro Ltd, UK

Steven, via a Powerpoint presentation, will cover some of the latest developments in financing energy efficiency. It looks at the four pieces that need to be brought together for success in energy efficiency financing.

11.30 - Panel Discussion - Energy Productivity benefits, Opportunities and Barriers

Facilitated by Robert Tromop

12.00 - Lunch, Networking and Exhibitor Displays

Lunchtime Discussion - EnergyMasters Professional Training and Accreditation Benefits

Robert Tromop

Robert will present the new EnergyManager Professional programme designed to equip participants with the skills and knowledge to develop and lead significant energy management programmes and associated carbon management and climate change/sustainability initiatives.

EARLY AFTERNOON - Technology Updates

1:15 - (R)evolutions in Refrigeration - Can we Make Things Cold Without Turning up the Heat?

Matthew Darby

Owner, EcoChill, Chair CCCA

Matthew will look at emerging trends and their application in NZ, the effect of NZ environmental legislative changes to businesses and practical applications for driving energy productivity.

1:35 - Continuous Commissioning - Partnerships Personified

Lance Jimmieson

Director, Economics and Research, Jackson Engineering Advisers

Lance will focus on Continuous Commissioning and taking on challenges such as making 1,200 individuals within a large building happy with their environment, while extracting significant energy savings.

1:55 - Lifting NZ Lighting Energy Standards out of the Dark Ages

Bryan King *Executive Director, NZ Lighting Council*

Bryan explores the barriers that currently constrain the understanding of energy saving LED solutions and smart control systems - and the impact this is having on investment decisions.

2:15 - Solar PV and Energy Storage - Case Studies

Ravinder Soin *Director of Sales and Business*

Development, Midnight Energy Pty Ltd, Australia

Ravinder will give an overview of PV market globally and regionally is presented and how PV, along with wind power, have disrupted the current network business model.

2:35 - Cost Effective Smart Metering Solutions

Neville Auton *Energy Consultant, Otago Polytechnic*

Neville will discuss how staff and students are working together to develop a number of low powered sensor modules that will allow data collection of environmental, energy, water, and gas use within Otago Polytechnic.

2:50 - Afternoon Tea, Networking and Exhibitor Displays

LATE AFTERNOON - The Regulatory Context

3:20 - Issues Impacting on Future Electricity Prices for Commercial and Industrial Users

Ralph Matthes

Executive Director, Major Electricity Users Group

Ralph will look at issues affecting bottom line profits and investment/divestment decisions broadly including energy management in the Commercial and Industrial sector today and longer term challenges in the context of political trends, evolution of policy settings, productivity and opportunities for partnership.

3:40 - Effective Business Case Development for Energy Management Professionals

Paul Sutton

Trainer and Consultant, Project Results Ltd

Paul's presentation will give an overview of Better Business Cases and look at how to maximise the value they can add while providing some thoughts and tips on tailoring them to make them fit for purpose.

4:00 - Retail Data Project - What's in it for Consumers?

Craig Evans

General Manager Market Design, Electricity Authority

Craig will discuss the Retail data project initiative designed to make it easier for consumers to obtain and use their data - consumption data, price data and connection data.

4:20 - Post-Paris Climate Change Targets, Implications for the New Zealand Emissions Trading Scheme and the Need for Additional Policies

Stuart Frazer *Principal, Frazer Lindstrom Ltd*

Stuart will highlight the key components of Paris Agreement before drilling down to what it means for New Zealand businesses through the government's primary policy.

4:40 - Discussion - Balancing Carrots and Sticks - Regulation or Positive Incentives?

Facilitated by Bill Heaps

5:00 - Closing Remarks

5:00 - 7:00 EMANZ Cocktail Evening

DAY 2 - WEDNESDAY 18 MAY - LEVEL 9, WESTPAC ON TAKUTAI SQUARE, AUCKLAND

8:00 - EMANZ Annual General Meeting – open to EMANZ members

8.30 - Registration and Coffee

9.00 - Welcome from our Westpac host
Karen Silk

GM Commercial, Corporate and Institutional

MORNING - International Context and Case Studies **Session 1 - Context - The Big Picture**

9.10 - How Mature is Enterprise Energy Management Strategy?

Aaron Webb

Associate Director, PWC's Consulting Team & Gavin Diamond

Enterprise Account Executive, EnerNOC NZ

Aaron and Gavin will discuss a recent white paper collaboration between their organisations which explores these mega trends like climate regulation and provides a framework to assess and evolve enterprise customer energy management maturity.

9.30 - Three-Legged Stools Can Save Our World

Greg Visser

General Manager, EECA Business

Greg outlines the success of partnerships with New Zealand's largest energy users, industry associations and energy management professionals.

9.50 - Commercial Building Energy Efficiency Performance Measurement Around the World

Dr. Paul Bannister

Director, Projects and Advisory Services, Energy Action Australia

Paul will review the issues associated with performance measurement and rating in an international context, including comparison of NABERS and Energy Star, and identification of the barriers to internationalisation of performance rating.

10.10 - Panel Discussion - Are Strategies, Measures and Rating Systems Developing Cohesively?

Facilitated by Dr. Paul Bannister

10.30 - Morning Tea, Networking and Exhibitor Displays

Session 2 - Case Studies

11.00 - Transforming from the Precocious Kid on the Block: Lessons from Wynyard Quarter

Dr. Viv Heslop

Sustainability Manager, Panuku Development Auckland

Viv will discuss the way in which partnering has shaped progress at Wynyard Quarter and how partnering is now being embedded as a defining feature of Panuku Development Auckland, Auckland Council's newly formed urban regeneration agency.

11.15 - Park Hyatt, Auckland - Blending Luxury with High Energy Performance

James Donald

Associate, WSP Parsons Brinkerhoff

James will discuss the challenges of working with three stakeholders who, although they are all committed to ensuring the project is successful, all have opposing priorities within this project which boasts numerous energy saving initiatives.

11.30 - Future Proofing Waste Water Treatment - Getting Energy from Waste

Jürgen Thiele

Business unit Leader Waste Recovery, Calibre Consulting Ltd

novative co-digestion solution that has allowed the Palmerston North City Council (PNCC) treatment plant to triple its daily biofuel output potential with a payback period of less than 3 years.

11.50 - NZ's Market-Led Approach to the Smart Grid

John Hancock

Secretariat, NZ Smart Grid Forum

John will share findings from three original research reports into how New Zealand's smart grid developments are progressing relative to those in other countries, options to accelerate developments and the role of smart grids in meeting our greenhouse gas emission reduction targets

12.05 - Panel Discussion - Did Partnerships Make a Difference to Productivity - Lessons Learnt?

Facilitated by Dr. Viv Heslop

12:30 - Lunch, Networking and Exhibitor Displays

EARLY AFTERNOON - Research and Innovation

1:40 - Opportunities for Demand Management in a Smart Grid

Dr. Michael Jack

Senior Lecturer, University of Otago

Michael will discuss the current opportunities for demand management in individual households based on insights into household electricity demand gathered from detailed monitoring of a number of houses as part of the MBIE-funded GREEN Grid project.

2.00 - Exergy Analysis of New Zealand

Caitlin Tromp van Dalen

Masters Student, University of Otago

Caitlin will be presenting the results of an Exergy analysis of New Zealand. Exergy analysis goes beyond standard energy analysis by quantifying the usefulness of energy resources and identifying inefficient use of resources.

2:15 - Applying Innovation to Accelerate Productivity

John Ascroft

Chief Innovation Officer, Jade Software

John will share how Jade Software is building a culture that combines creativity with productivity, to allow innovation to thrive.

2:30 - Callaghan Innovation's Energy Initiatives

Chris Thomson *Energy and Aviation Section Manager, Callaghan Innovation*

Chris will discuss Callaghan Innovation's services and strategy to help grow the size and number of NZ energy technology companies.

2:45 - Transpower Prize Draw

3:00 - Afternoon Tea, Networking and Exhibitor Displays

LATE AFTERNOON - Opportunities and Realities

3:30 - Opportunities for Raising your Profile and Obtaining Funding

Natasha Palich *Oceania Outreach Coordinator, Zayed Future Energy Prize*

Natasha will focus on the ongoing impact of the Zayed Future Energy Prize which promotes innovation in cutting-edge technology in the field of clean energy and sustainability.

3:40 - Sustainable and Productive Partnerships - the Key to Success

Sam Judd *Founder and CEO, Sustainable Coastlines*

Sustainable Coastlines uses a partnership approach in nearly everything they do. Sam will share some key skills and approaches that can be used to develop effective partnerships using examples from their experiences with the Living Building Challenge.

4:00 - Ministerial Address

Hon. Simon Bridges

Minister, Energy and Resources, Transport

4:20 - Final Discussion - What are the Key Messages for Managers and Policy Makers?

Facilitated by Ewan Gebbie, EMANZ EO

4:45 - Closing Remarks

Scott Noyes *EMANZ Chair*

5:00 - EMANZ Conference Close

6:00 - EECA Awards - Shed 10, Auckland

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