



Australian Alliance to Save Energy (A2SE) Newsletter – May 2015

Doubling Australia's Energy Productivity: Briefing - Wednesday 17 June 2015

It's time to take our message of the economic opportunity to double energy productivity to Canberra! The purpose is to bring a business perspective to formation of the national energy productivity plan, following release of the Energy White Paper.

Old Parliament House, Canberra: A half-day (afternoon) briefing directed to policy makers and politicians from all parties on 2xEP, and involving industry associations, research partners and energy users. The program will demonstrate that 2xEP is an economic imperative that is achievable, and outlining local and international policy developments. We will also update our audience on progress and future plans of the Roadmap process and how it can feed development of the national energy productivity plan. We'll send you program and registration details and in the next few days.

The 2xEP Challenge

Work is underway to design the 2xEP Challenge, a voluntary commitment and recognition program for business and government. The Challenge will be the first program launched out of the 2xEP process, and demonstrates an industry led approach to energy productivity improvement. NSW OEH is funding a feasibility analysis that will be completed by the end of June. This will be followed by detailed program design and implementation by October this year.

Roadmap Progress

We have developed 2xEP engagement reports for major energy using sectors of the economy with input from key stakeholders. These reports cover mining, agriculture, manufacturing, and passenger transport with the built environment (commercial and residential) close to completion. Freight transport and infrastructure are to come when funding is secured. In the current stage of work, we are transferring ownership of the agenda in each sector to the stakeholders who will develop their 2xEP Roadmaps, including definition of key programs and policies needed to achieve the selected EP target for the sector (ideally 2xEP). Then recommended policies will need to be ranked by effectiveness and their likely impact assessed. By the end of the year, these sector Roadmaps will be consolidated into an economy-wide Roadmap.

We have volunteers progressing work in several sectors, and your expertise is welcome. If you're interested to contribute, please write to 2xep@a2se.org.au.

Investment Decision Making for an Energy Productive Australia

is a workshop developed by A2SE, for the World Resources Forum Asia-Pacific. More information about the forum is included below. Speakers will address the energy productivity

opportunity, decision making frameworks for investment, international perspectives on emerging business models, and leveraging energy benefits from capex and technological innovation. There will be plenty of time for conversation. This session features international expert Dick van Beers from the Collaborating Centre for Sustainable Consumption and Production in Germany along with Graham Bryant (Simplot), Mary Stewart (Energetics), Anita Stadler (A2SE) and Mike Smith (Energy Change Institute, ANU).

'Bold ideas and big opportunities for innovation and energy productivity'

Next month, for the first time in Australia, the World Resources Forum Asia-Pacific will be hosted by the Institute for Sustainable Futures at the University of Technology Sydney and SMaRT@UNSW. The Forum runs from 01–03 June at UTS on Broadway and the National Maritime Museum. An insightful and interactive program featuring international experts from industry, government and academia from Japan, Korea, India, USA, Europe and Australia aims to promote broad collaboration and embed resource and energy productivity in domestic and international policy.

Themes include: new business models for a circular world, technology and innovation; industrial symbiosis, wealth from waste, future metals, technology and financing, green manufacturing, resource governance, geopolitics and social responsibility.

For more information and to register, visit www.wrfasiapacific2015.net

A2SE associates can avail themselves of a 10% discount. Use promotional code: A2SE

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Contact Nick Florin (phone [+61 2 95144797](tel:+61295144797) | email nick.florin@uts.edu.au)

News from our roving reporter in USA – Jon Jutsen

Hi all, I am in Washington DC and writing as the EE Global conference is coming to a close. About 400-500 senior people came together to talk about energy efficiency. I spoke at the plenary and at a session so got a great deal of exposure for Australia's leadership in EP (which offset a lot of concerned questions about why Australia gave up its leadership in energy efficiency and carbon mitigation). I also attended and addressed the foundational meetings for the Global Alliance for Energy Productivity (GAEP) and the Technical Working Group for GAEP, which I think will be a great initiative including the international experts that you would want to be involved in such a group. Key take-aways from meetings:

- Energy productivity is taking off as the new language for energy use, but is not universally understood - I had to convince colleagues at the conference that EP was a bigger and more powerful concept than EE and that they were not synonymous or interchangeable.
- The work we have done on concepts, metrics and sectoral analysis is world leading and we should be able to leverage it globally. The only other organisation doing fundamental work we are doing is KAPSARC – Saudi energy research centre: There is potential to collaborate.
- We are on the right track and Australia got a lot of positive recognition for its leadership in the G20 on energy efficiency, and for the Energy White Paper commitments on energy productivity.
- There are a range of global energy efficiency policy initiatives operating in parallel (and thankfully with awareness of each other's agenda). The key ones are G20 Energy Efficiency Action Plan (co-ordinated by IPEEC) and Sustainable Energy 4 All (UN initiative). I have information about these programs which I can pass on to anyone interested).

Energy Productivity in Action – Driving greater global competitiveness through energy efficiency

A move towards greater energy efficiency is helping one Aussie manufacturer to increase its global competitiveness and grow exports. Since embarking on its energy saving drive, Sydney-based automotive suspension manufacturer Monroe Springs has driven down the energy requirements to produce its hallmark coil springs by 22 per cent. The energy cost per coil spring has also shrunk by 14%.

Monroe plant manager Gareth Jones says the savings are significant.

“Manufacturing processes – including metal bar preparation (machining and cutting), spring forming and heat treatment, coating and painting processes – are all energy intensive processes.”

The company supplies Toyota, GM Holden and Ford locally, and its exports to North America, Europe and Asia have already grown to more than half its volume. The cost of energy, says Mr Jones, has a significant influence on the company’s global competitiveness. An energy audit conducted through the NSW Office of Environment and Heritage kicked things off.

“This energy audit was the most comprehensive benchmarking the company had performed to truly understand the sources of energy consumption and potential opportunities for improvement.”

Mr Jones says the audit identified relatively simple employee engagement projects, such as a ‘Turn It Off’ program for lights, and more complex, capital-intensive projects, such as upgrades to its lighting, hot water boiler and gas burner systems. Along with energy savings, the company has also experienced additional productivity gains.

Mr Jones says programs such as ‘Turn It Off’ have enabled employees to become more aware of energy saving measures, which in turn flows into other plant and equipment, resulting in reduced plant downtime and improved machinery availability.

Monroe Springs will be acknowledged at the inaugural Energy Productivity in Action business recognition event on June 18. The event is organised by OEHL in partnership with the Australian Alliance to Save Energy, Energy Efficiency Council and NSW Business Chamber. To find out more on how OEHL can assist your business, email energy.saver@environment.nsw.gov.au.



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phone: 02 9514 4948 or 0419 256 339 email: info@a2se.org.au web: a2se.org.au