

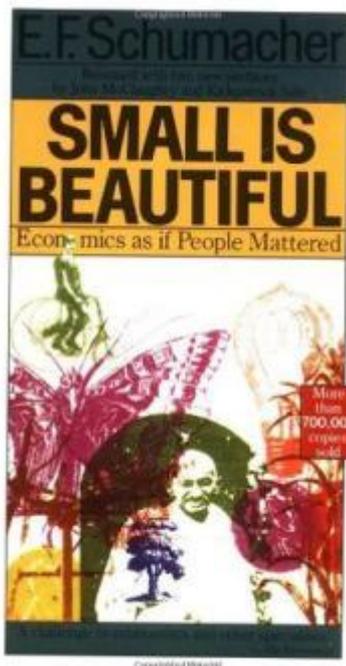


**National Energy
Efficiency Network**

On Monday 8/12/2014 **Sandi Middleton from the National Energy Efficiency Network (NEEN)** delivered a presentation at Rockhampton Library. NEEN is a dynamic, member-based network providing community organisations with the information, inspiration and support to become more energy efficient and take charge of their energy future. See <http://neen.org.au/> Ten people attended with 4 Community organizations represented. Channel 7 was there to film and interview Sandi, and the food was sourced from *Calma Cafe* - <https://www.facebook.com/cafecalma> | relax@cafecalmaoneast.com.au

Sandi's positive approach was refreshing, her presentation very professional, and she added the human touch by drawing on the group's own experience and approach to Energy Efficiency. Short talks were given by members from the **Rockhampton Catholic Church** and **Brian Bartlett**, an avid solar guru. This provided us with the opportunity to connect, share information from our own efficiency journey, collaborate with the aim of using less to save more, and just be inspired to take action. The Rockhampton Catholic Church have already begun implementing energy efficiency measures at the Bishop's residence in Allenstown and have cut the energy use substantially. It was certainly a good outcome to see the reduction in power use from the grid to around 13,000kWh for the last quarter. The Bishop will be happy.

Brian gave us a chilling reminder of the need to act NOW! He said, 'Most of what is being done today would have been great and inspiring about 15 years ago as we approached the new millennium however today it is a tiny fraction of what needs to happen. It is all the more frustrating that we continue to play around the edges of true sustainability while our planet literally burns. We know and have the technological capability to dramatically alter our overuse of resources which already exceeds by a very large amount the natural capital our home has available. We choose to make token gestures toward mitigating the drain of once only availability of many of those resources.' He also introduced us to a must read book by E.F.Schumacher called *Small is Beautiful: Economics as if People Mattered*. [SeeLink](#), which regards workers as important and not to be constantly replaced by machines in an everlasting quest for economies of scale. Brian also presented an analogy with a car's dashboard, pointing out that no new building should be built without a panel on the wall that measures how much energy a home or commercial building is using. He said: 'Like in a car, if a red light comes on you know you are way over your limit and you take action immediately! **Remember that if you can't measure it you can't manage it.'**



Brian also subscribes to ReNew Magazine. (See ReNew's ideas on [Energy Efficiency](#))

Neen's aim is to inspire a peer network to take action collaboratively, using the resources available, and become part of a thriving, national Learning Community for the future. Supported with funding from the Department of Industry as part of the

Energy Efficiency Information Grants Program, NEEN offers our members free access to specialist energy efficiency information, an **online Opportunity Assessment tool** & interactive Business Case report, NEEN+ events & an online learning community. This gives your business or community organization the chance to do an “Opportunities Assessment” and discover a priority list of energy efficiency opportunities for your type of organisation. See **NEEN energy efficiency opportunities assessment tool** Sandi will be running a ‘follow-up workshop’ in March 2015.

Our Future is Clean Energy, not dirty Coal

Just as Tony Abbott seemed to cast off his climate change resistant armor and call for strong binding emissions reduction targets at next year’s UN conference in Paris, two major reports have suggested the Prime Minister is well off the mark with Australia’s own climate targets and risks steering the nation into a hundred billion-dollar carbon hole.



The first is from **UNEP** – the United Nations Environment Program – whose 2014 Emissions Gap Report, measures the world’s progress on the path **to limit global warming to 2°C** and stave off dangerous climate change. The latest report from the UNEP calls for an end to carbon pollution by 2070, followed by action to reduce greenhouse gas emissions already in the atmosphere. The Bureau of Resources and Energy Economics (BREE) unfortunately missed the memo. The Australian Government relies on BREE’s economic forecasts, but BREE isn’t paying attention to global markets. BREE’s projections are based on the idea that Australia can continue exporting fossil fuels into the future. It is completely unrealistic to expect that Australia will be able to grow its share of fossil fuel production whilst other countries reduce their share in a world with strict limits on carbon emissions.

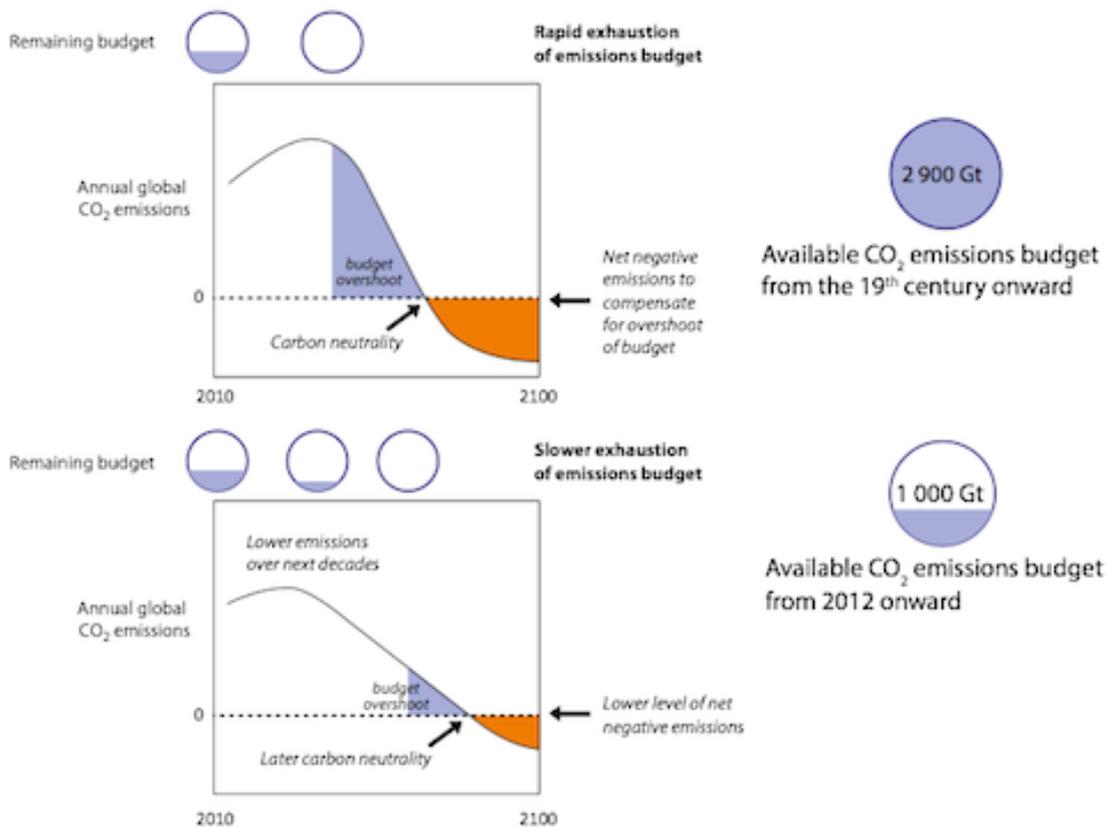


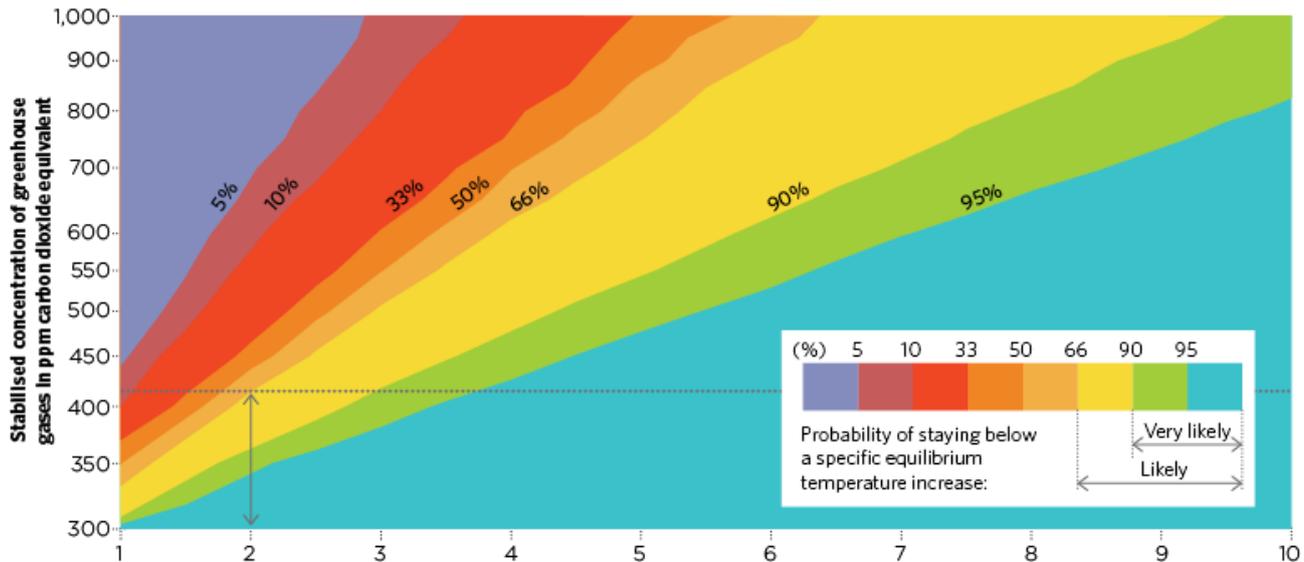
Figure ES.1: Carbon neutrality

According to UNEP, to keep the world within the 2°C limit, **global carbon neutrality** will need to be achieved sometime between 2055 and 2070. Global emissions will then need to shrink to net zero sometime between 2080 and 2100. Based on its analysis, UNEP says that of the G20 nations, five of them – Brazil, China, the EU28, India and the Russian Federation – are on track to meet their 2020 emissions reduction pledges, having all adopted new policies since 2009. (See table at **Abbott’s emissions bluff steering Australia into 100bn carbon hole**)

“Conversely,” the report continues, “Australia is no longer on track, due to the abolition of its carbon pricing mechanism,” which means that Australia – along with Canada, Mexico and the US – will almost certainly need to take further action and/or purchase offsets in order to meet its pledge.

This diagram below sets out probabilities (the coloured bands) of remaining below a specified temperature increase for different concentrations of greenhouse gases in the atmosphere. An atmospheric greenhouse gas concentration that provides an approximate 67 per cent probability of limiting warming below 2 degrees, shown by the horizontal dotted line, is also projected to give about a 90 per cent probability of staying below 3 degrees, and more than 95 per cent probability of staying below 4 degrees; however, it gives only a 10 per cent probability of staying below a 1 degree temperature increase.

See [global emissions budget 2 degrees or less](#)



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AUSTRALIA IS EXPORTING 1.3x OUR DOMESTIC EMISSIONS
BY 2050, WE WILL BE EXPORTING 2.7x OUR DOMESTIC EMISSIONS

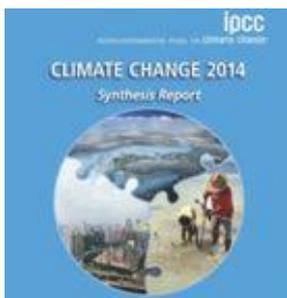
the now
EXPORT REVENUE FROM FOSSIL FUELS IS ALREADY BELOW GOVERNMENT PROJECTIONS
AUSTRALIA WILL BE RESPONSIBLE FOR ONE SIXTH OF THE WORLD'S COAL BURN BY 2050

the future
INTERNATIONAL ACTION ON CLIMATE CHANGE WILL IMPACT HEAVILY ON OUR FOSSIL ECONOMY
WE'LL BE \$100BN BELOW PROJECTIONS BY 2030
THAT'S AN EXTRA COAL LOAF EVERY YEAR

the future's in clean energy, not dirty coal.
what will we have to offer?
bze.org.au

The second report to blow a hole in Abbott’s carbon story, from local group **Beyond Zero Emissions**, puts a dollar figure to the gap between the Australian government’s projections and the realities of the carbon-constrained global economy; and it’s a big one – \$100 billion a year. In analysis that was today referenced by Ross Garnaut at the Melbourne Economic Forum, BZE warns that the Abbott government is relying on economic projections that don’t take account of international action on climate change. “There will be a significant shortfall – \$100 billion annually by 2030 – when projected exports of fossil fuels are rejected by an international economy already moving towards clean energy” said Gerard Drew, Lead Researcher, Beyond Zero Emissions. See [futures clean energy not dirty coal](#)

France is trying to avoid a repeat of the Copenhagen disaster by keeping heads of state away from the Paris climate talks. But it has also singled out Australia and Canada as likely roadblocks. See [Why Tony Abbott wont be invited to Paris Climate Talks](#)



The IPCC Synthesis Report 2014 This Report provides an overview of the state of knowledge concerning the science of climate change, covering:

1. Physical Science
2. Impacts, Adaptation and Vulnerability
3. Mitigation of Climate Change
4. Renewable Energy and
5. Managing the Risks of Extreme Events and Disasters

For more details go to CCC website:

[Capricorn Conservation Council at http://www.cccqld.org.au/](http://www.cccqld.org.au/)