

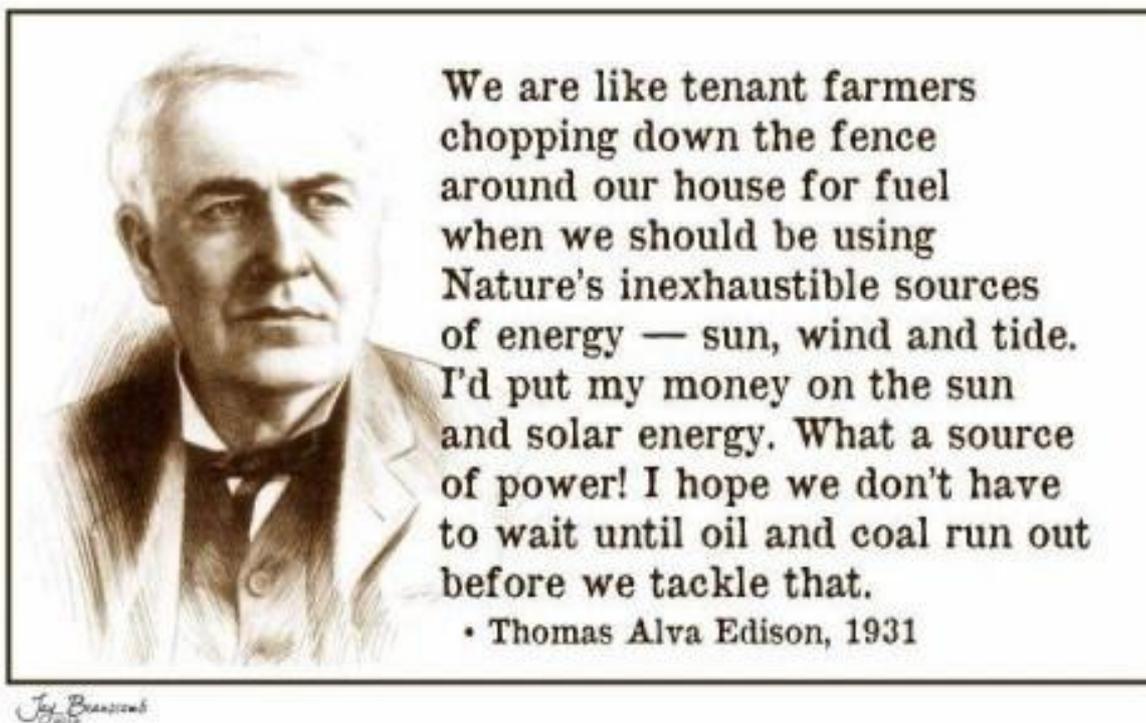
### Divestment Day:

On the 17th and 18th of October, hundreds of Australians turned out to close their accounts in protest of the big banks' role in funding dirty coal and gas projects. See **photos** of the events, go to: <http://www.marketforces.org.au/divestmentdaylive> Market Forces said they felt it was a successful divestment action with '15+ locations around Australia, hundreds of customers leaving their banks, and MILLIONS of dollars being divested from fossil fuels.'

### Lightbulb moment for Nobel physicists: prize awarded for inventing blue LEDs

A scientist whose project was deemed so hopeless that he had to pursue it in his spare time has won the **2014 Nobel Prize in physics** for an invention that paved the way for widespread energy-efficient lighting. 108 Nobel Prizes in Physics have been awarded since 1901 See [light bulb moment Nobel physicists prize awarded inventing blue led's](#)

In 1931, **Thomas A. Edison**, the **inventor of the electric light bulb**, in conversation with **Henry Ford**, founder of the Ford Motor Company and **Harvey Firestone**, one of the first global makers of automobile tyres said:



### New Aluminium-Air Battery Powered Car Travels 1,800 Kilometres Without a Recharge



This week Phinergy, an Israeli company, along with the aluminium giant, Alcoa Canada, demonstrated an electric vehicle (EV) capable of driving 1,800 kilometres between charges using a combination of aluminium-air and lithium-ion storage technologies. The Phinergy aluminium-air battery at 100 kilograms (220 pounds) weight contained enough on board energy to allow the vehicle to travel up to 3,000 kilometres (over 1,860 miles). Compare that to the best, current lithium-ion batteries in the Tesla Model S sedan. At best they can do less than 500 kilometres on a single charge and the on board battery weighs 5 times as much. See [Aluminium air battery powered car travels 1800 kilometres recharge](#)

### Boulder's transition to city-controlled power

Right now in the US, the majority of electricity still comes from coal, which makes it one of the biggest contributors to US carbon emissions. One of the reasons for this is that their utility companies spent billions of dollars building coal-fired power plants. Climate science has identified the need for a rapid transition to a fossil-fuel-free future, yet Boulder, Colorado, has one of the most carbon-intensive electric portfolios in the nation. 'Our electric supply

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accounts for approximately 60 percent of city greenhouse gas emissions. Through the passage of the nation's first carbon tax in 2006 and ballot measures in 2011 and 2013 asking the City of Boulder to explore options for clean, reliable, low-cost, local energy, Boulder voters have expressed a strong commitment to addressing climate change'. See [Bolder Boulder tackling climate change and energy](#)

New Era Colorado, <http://neweracolorado.org/> run by a group of 20 year olds, has been spearheading a campaign to cut ties with the city's electric utility, Xcel Energy. They believed their city would be more sustainable on its own.



To understand why they gave a damn about their electric utility, you need to know a few things about the energy grid. In "regulated" states like Colorado, the grid is owned by a few monopoly power corporations like Xcel and is overseen by a government committee called the PUC. If someone wants to install solar panels on their roof in Boulder, the power generated by those panels doesn't flow directly to their own refrigerator or power sockets. Instead it goes back into the corporate-owned, government-regulated grid. See [these 20 Something's beat a huge energy corporation and took control of the power grid](#)



However Xcel Energy has challenged to block this move in the Courts, [Xcel asks court to reject boulders takeover of distribution system](#) but despite these pending legal issues to be decided by the Boulder District Court, the city of Boulder continued its process and released a transition plan on August 14. Boulder wants [the city's newly constituted municipal utility](#) to use the infrastructure to bring renewables into the city's energy mix faster than Xcel was doing it.

### Newcastle Coal Ship Blockade

A group of Pacific Islanders joined an environmental protest blockading the Newcastle coal port on Friday, disrupting

shipping traffic by paddling canoes across the harbour mouth. Members of the Pacific Climate Warriors action group traveled from nations



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including the Marshall Islands, Fiji, Vanuatu, Tokelau, the Solomon Islands and Papua New Guinea to draw attention to the effects of climate change on their island nations, and to protest Australia's continuing commitment to coal.



The Newcastle port is the world's largest coal handling facility. An annual flotilla blockade has been held for several years, but this was the first time protesters were joined by the group from the Pacific Islands.

Using traditional canoes, 30 Pacific Climate Warriors paddled into the oncoming path of coal ships in an effort to shut down the world's biggest coal port for a day. [Sign pacific solidarity petition](#) The protesters from 12 Pacific Island nations said in a statement, 'The coal which leaves this port has a direct impact on our culture and our islands. It is clear to us that this is the kind of action which we must take in order to survive. Climate change is an issue which affects everyone and coal companies may expect further actions like this in future.' One of the warriors, 26-year-old Milañ Loek, said, 'Climate change is not an issue that the Marshall Islands or Tokelau or any other island in the Pacific should be doing alone because this is a global problem. 'None of us who have felt the impacts of climate change should continue to suffer through them just to fulfil others' interests. It's wrong and it simply doesn't work that way.'

**Sustainable Central Queensland** an initiative of CCC welcomes contributions on energy efficiency; technological options and actions individuals and groups can take help CQ lead the transition to a sustainable future. Opinions may not necessarily represent the policy of Capricorn Conservation Council.

### Renewable Energy Target:

In the coming days these six politicians will sit down together in talks behind closed doors to decide the future of the Renewable Energy Target.

**ACT NOW:** Tell the negotiators - our politicians - that you want them to stay strong for Australia's solar future. Take a minute to write your personal message on their Facebook pages by writing on their timelines or sending a direct message: [See More](#)

21136056238830	Ian Macfarlane
18698564808172	Mark Butler MP,
13193456693162	Gary Gray,
43044942367295	Greg Hunt MP,
74331183239558	Joe Hockey and
34495774894690	Chris Bowen.

**Move your mouse  
to their names to  
contact them!**



### Explaining climate change science & rebutting global warming misinformation

*Scientific skepticism is healthy. Scientists should always challenge themselves to improve their understanding. Yet this isn't what happens with climate change denial. Skeptics vigorously criticise any evidence that supports man-made global warming and yet embrace any argument, op-ed, blog or study that purports to refute global warming. This website gets skeptical about global warming skepticism. Do their arguments have any scientific basis? What does the peer reviewed scientific literature say? <http://www.skepticalscience.com/>*

