# 100% Renewable Energy in 10 Years

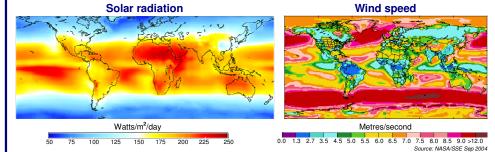
## 100% Renewable

Australia can - and must - move quickly to zero carbon energy. We could make the shift to 100% renewables in a decade using wind and solar thermal with storage. The \$370 billion cost, less than 4% of GDP, would reap fossil fuel savings of \$1.6 trillion by 2040.

This bold plan will help end the global stalemate on climate action, make Australia a world leader in the lowcarbon economy of the future, create 80,000 high-guality ongoing jobs (more than the fossil energy supply workforce) and build lucrative export industries.

## Australia – energy superpower

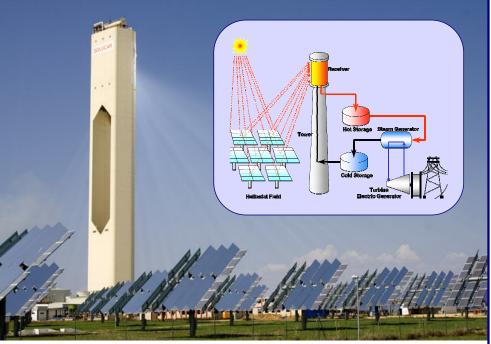
Australia has the best solar resource of any developed country, perfectly complemented by a world-class wind resource along our southern coast and Tasmania.







## 24 hour solar power



Solar thermal power stations focus sunlight onto a boiler to generate steam, driving a turbine to make electricity. Some now use tanks of molten salt to store the heat and generate power later when needed. In Spain, 50 megawatt solar power stations installed in 2008 are operating 24 hours a day during summer.

## Changing the mix

Under the Zero Carbon Australia 2020 plan. electrification of transport and space heating and energy efficiency reduce demand by 56%. The remainder is met with 60% solar thermal and 40% wind energy, plus biomass backup.

	End-use energy			
	4,000		Direct Solar	
	3,500		Bioenergy	
	_000.E ឆ្ល		Electricity Industrial Coal	
,	\$ 2,500		Natural Gas	
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	U	2008	2020 (ZCA)	
		Source: beyondzeroemissions.org		

## Australia's carbon budget

A global climate deal will only succeed if it is fair and ambitious enough to save the most vulnerable. The emissions pathway shown at top right, from Europe's chief climate advisor Prof Hans Schellnhuber:

- on population.

Note that Schellnhuber's pathway:

- deeper cuts from USA and Australia
- growth.



# What you can do

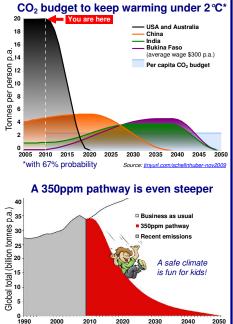
- bevondzeroemissions.org
- your community or social group.

# Why 100% in 10 years?

 has just a <sup>2</sup>/<sub>3</sub> chance of keeping global warming below 2°C (so we actually need stronger action than this, like the pathway back to 350ppm CO<sub>2</sub> shown below right) • within this limit, allocates the world's remaining emissions budget fairly based

• doesn't account for past emissions (carbon debt), which would require even doesn't include emissions trading – richer

countries funding clean technology to help poorer countries avoid emissions



Learn more: read about the Zero Carbon Australia 2020 plan at

Spread the word: tell your friends and family; ask us for a presentation to

**Contact your MP**: email, phone or visit your State or Federal MP. Ask them to speak out in support of 100% renewable energy for Australia.