

Reasons to be a bit cheerful - part 1

- California leader on clean energy and climate action, with pledge to cut carbon (from 1990 base) by 40% by 2030.
- lowa third of electricity from wind power last year and about to build US largest project with 1,000 turbines
- Hawaii state target for 30% renewable electricity by 2020, 70% by 2040 and 100% by 2045.
- New York no coal by 2020 & cut carbon by 40% by 2030.
- Minnesota 21% renewable power (mostly wind) in 2015.
- Oregon no coal by 2030 and 50% renewable by 2040.

Reasons to be a bit cheerful - part 2

- China £293bn investment in renewables (15%) by 2020.
- India By 2030, plans to cut carbon intensity of GDP by 35% and increase clean power to 40%. Big on wind & solar.
- **Sweden** –By 2020, cut carbon by 40% and phase out fossil fuel use in housing. By 2030, to have clean transport. 100% renewable power by 2040, carbon neutral by 2045.
- **UK** In 2015, 22% renewable electricity, 6% renewable heat, 4% renewable energy for transport. Renewable generation: 27% from onshore wind, 22% biomass, 21% offshore wind, 9% solar PV. Climate Change Act 2008.

Reasons to be a bit cheerful - part 3

