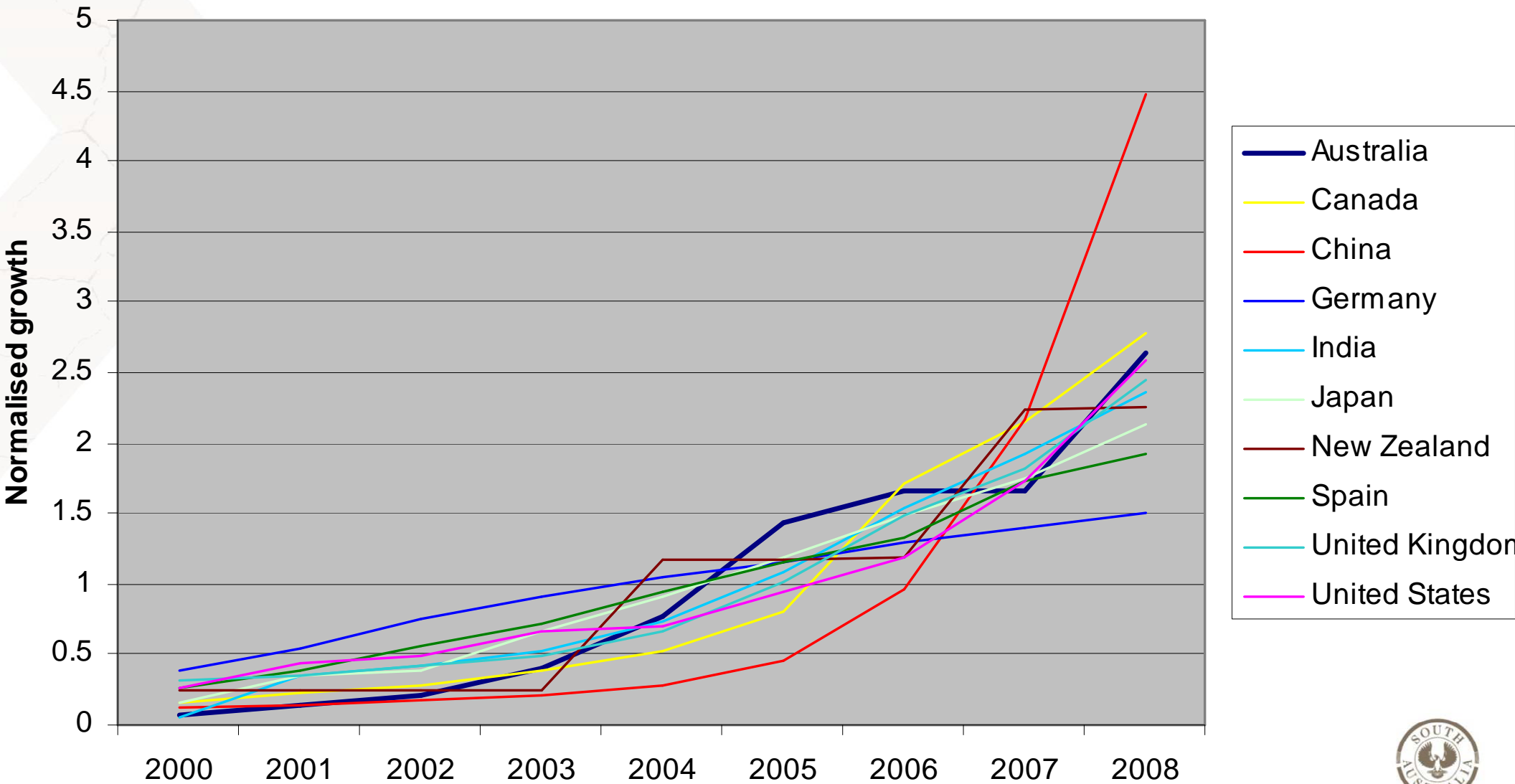


“There is enough carbon in the ground to really cook us.”

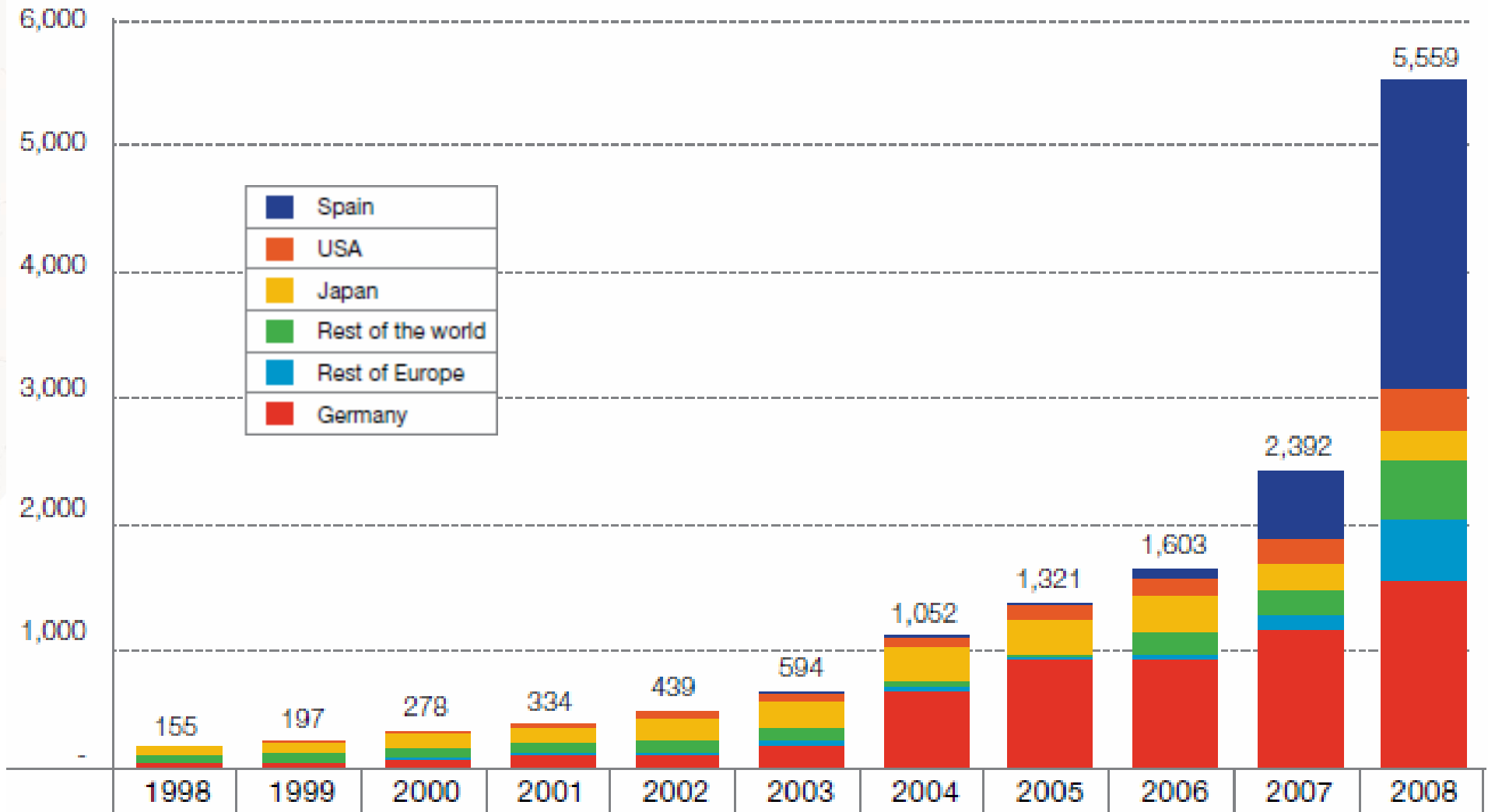
Steven Chu
US Secretary of Energy



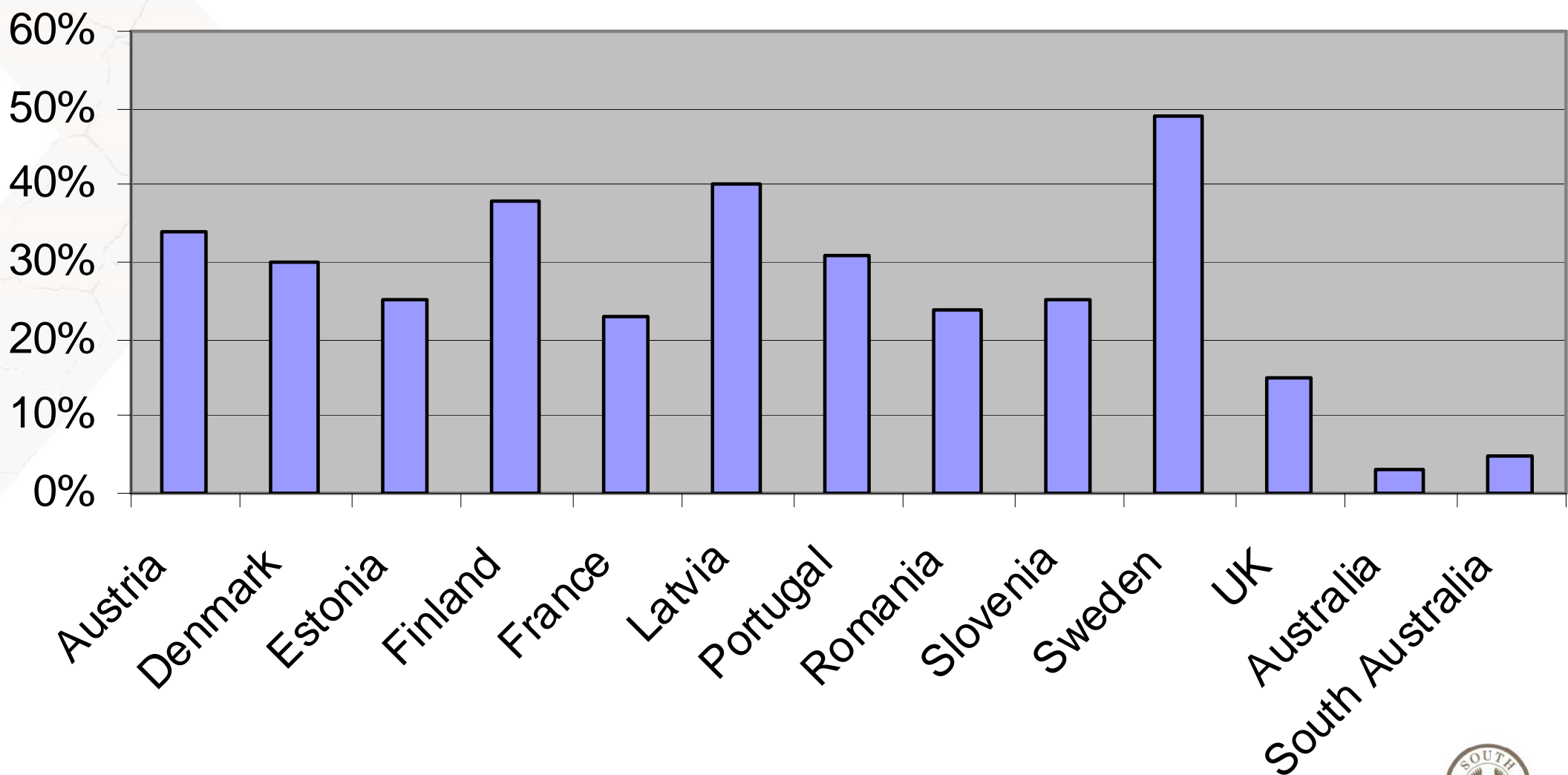
Growth in wind energy



Annual growth in Solar PV



Total energy consumption renewable targets



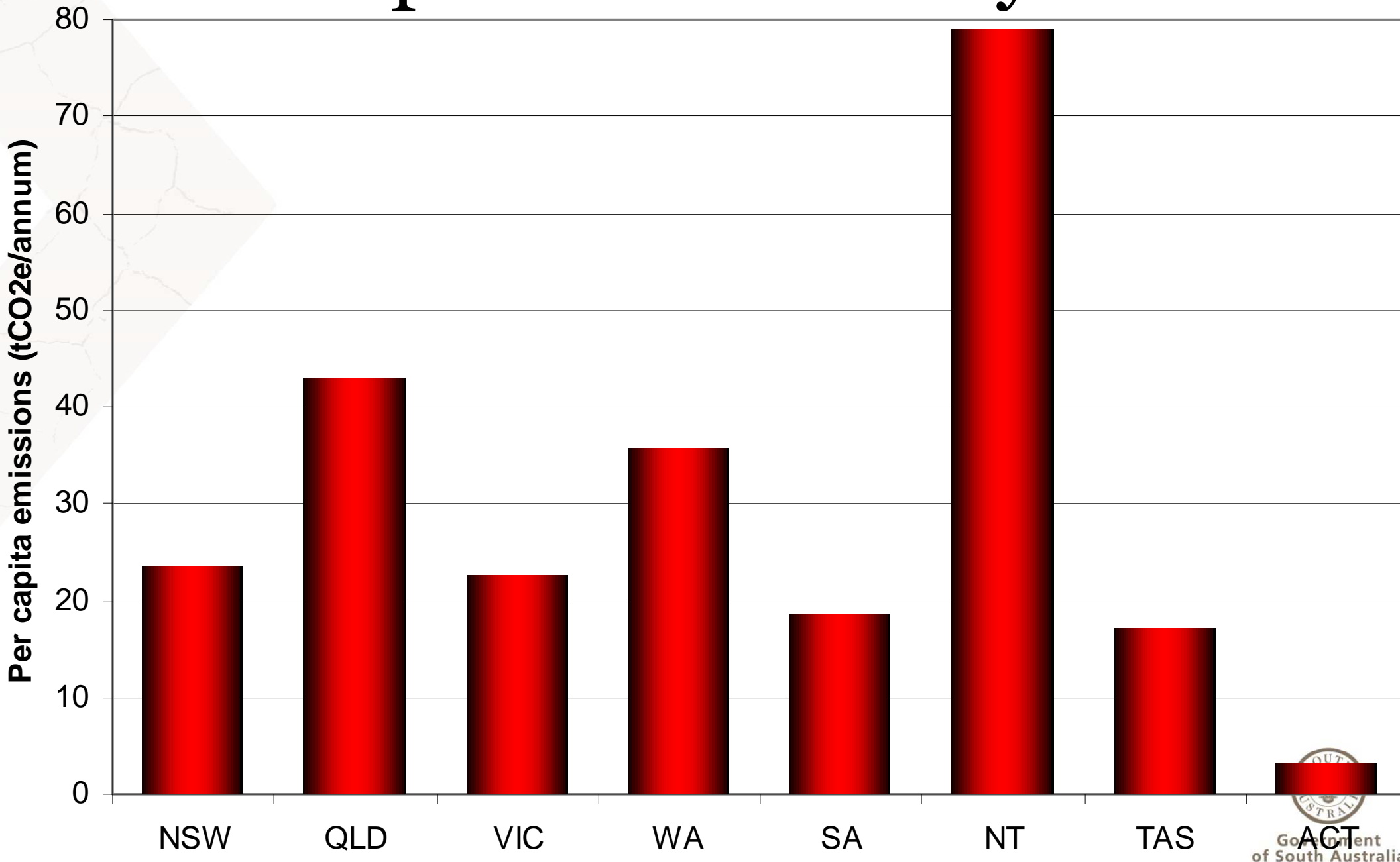
Examples of renewable electricity targets

Arizona	15%	2025
California	20%	2010
Connecticut	27%	2020
Delaware	20%	2019
Illinois	25%	2025
Massachusetts	9%	2014
Montana	15%	2015
Nevada	20%	2015
New York	24%	2013
Washington	15%	2020
Australia	20%	2020
South Australia	33%	2020

Source: Annual Energy Outlook 2009 – Energy Information Administration



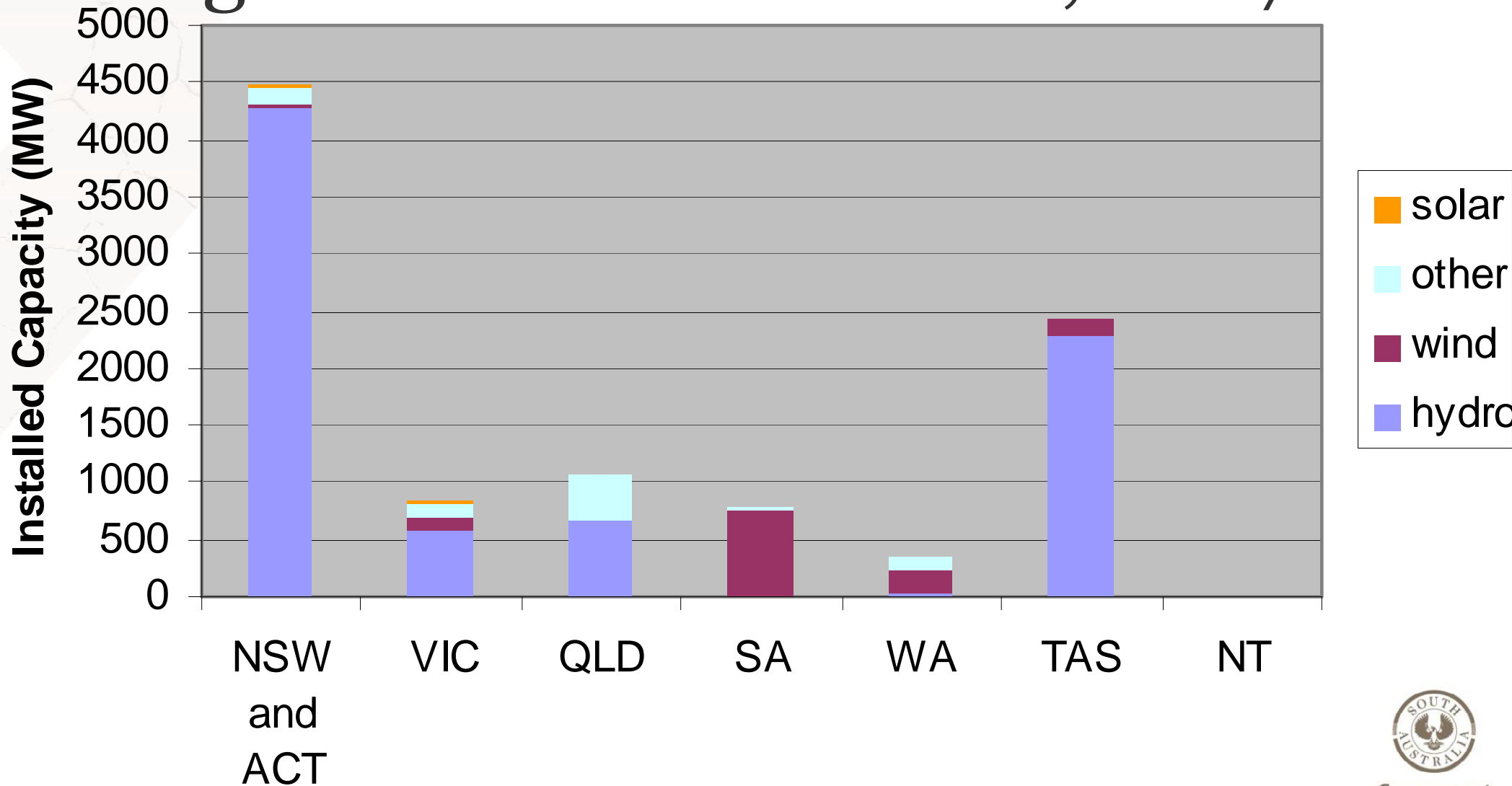
Per capita emissions by State



Source: RenewablesSA adapted from Dept Climate Change, ABS, emissions inc LULUCF for 2007

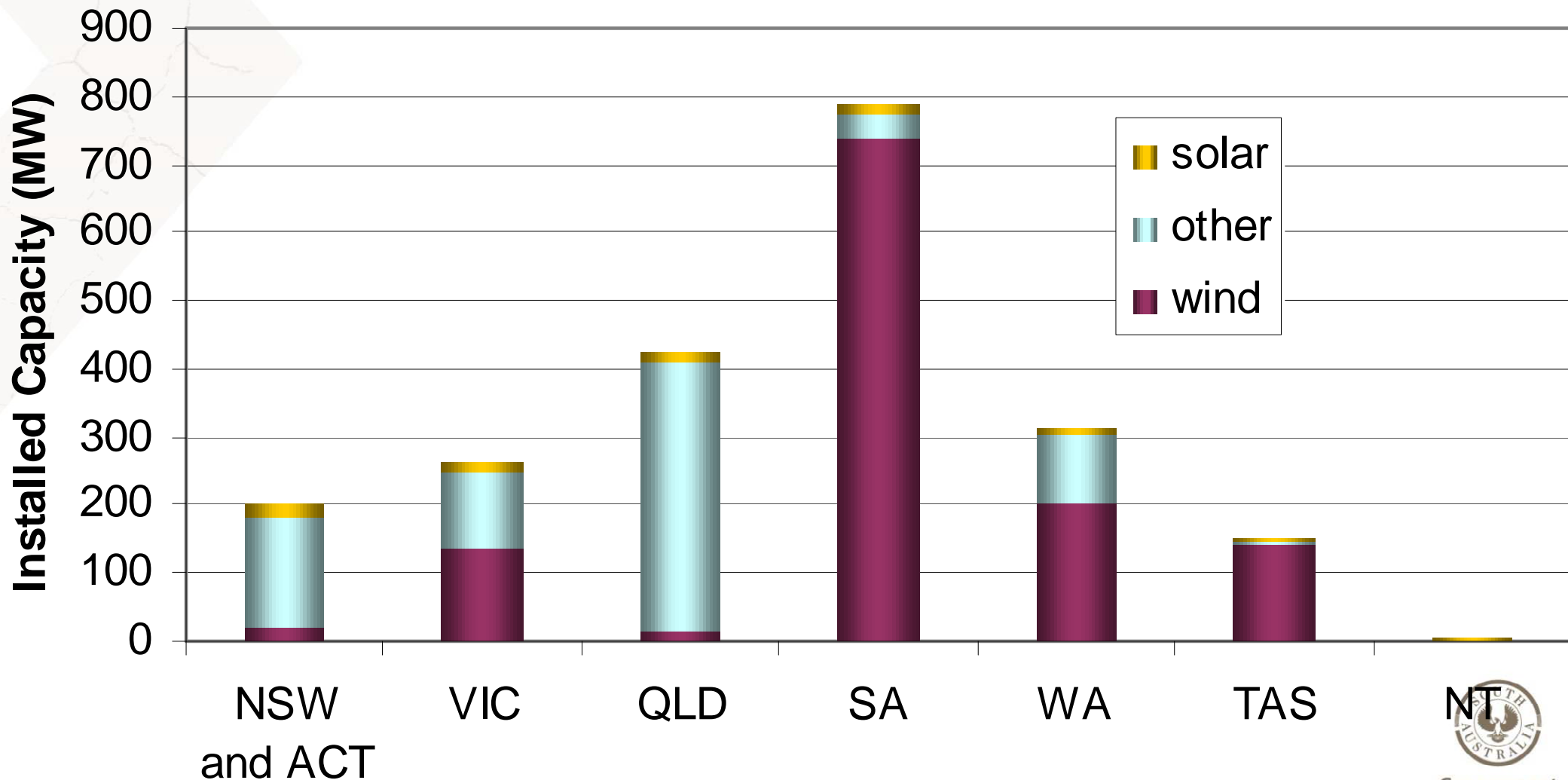


Capacity of renewable electricity generation in Australia, 2007



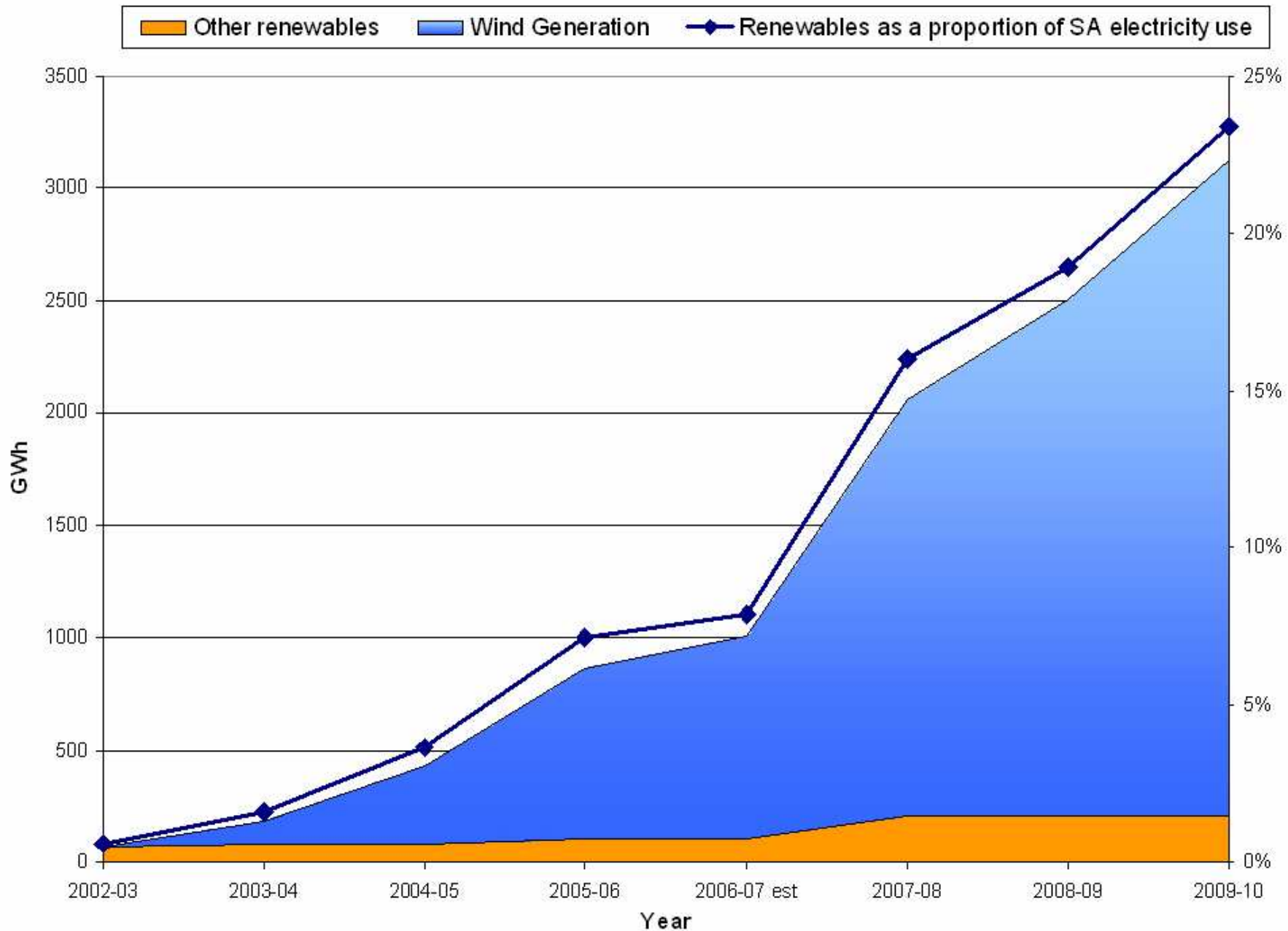
Source: ABARE, Australian energy statistics.

Capacity of renewable electricity generation in Australia, 2007

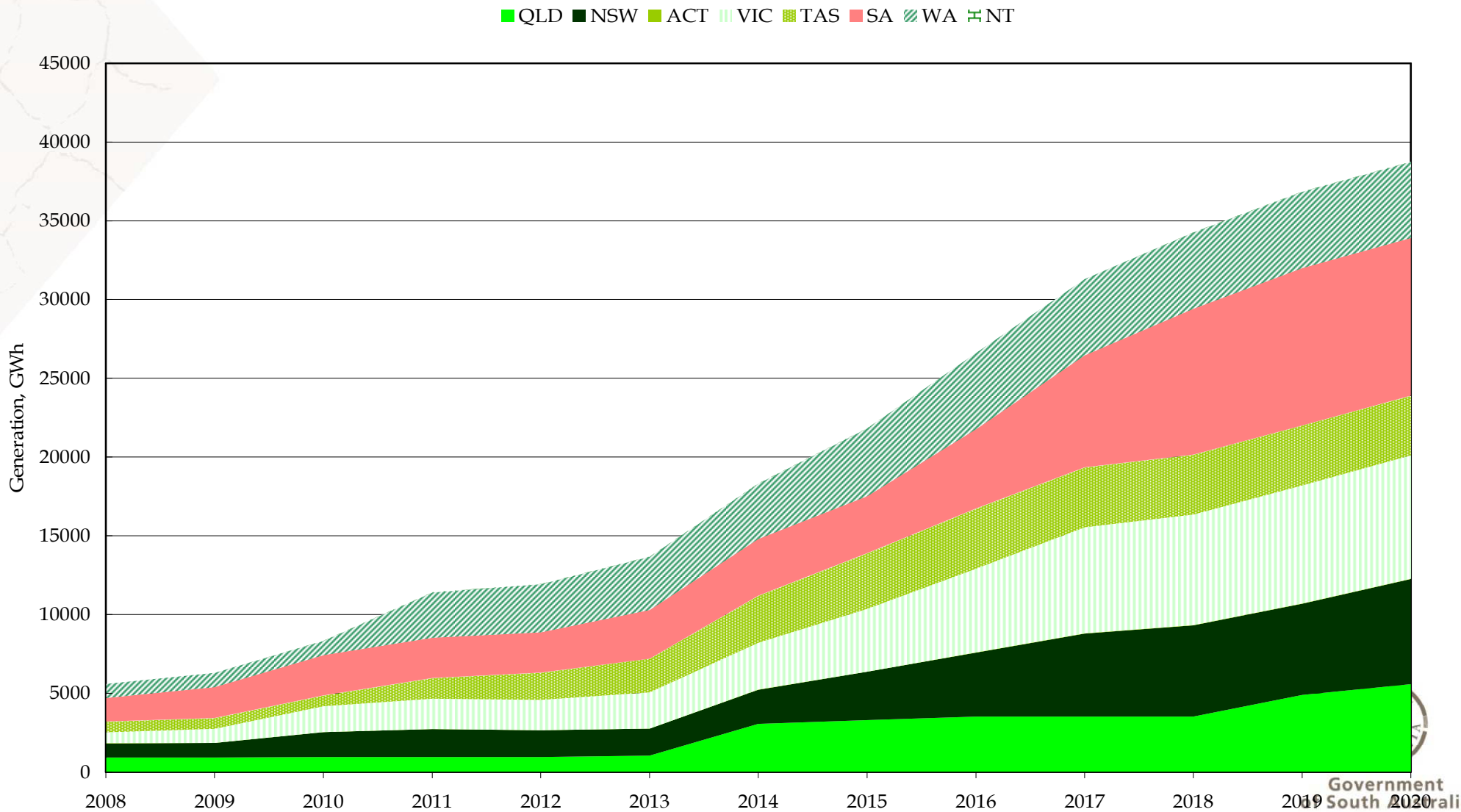


Source: ABARE, Australian energy statistics.

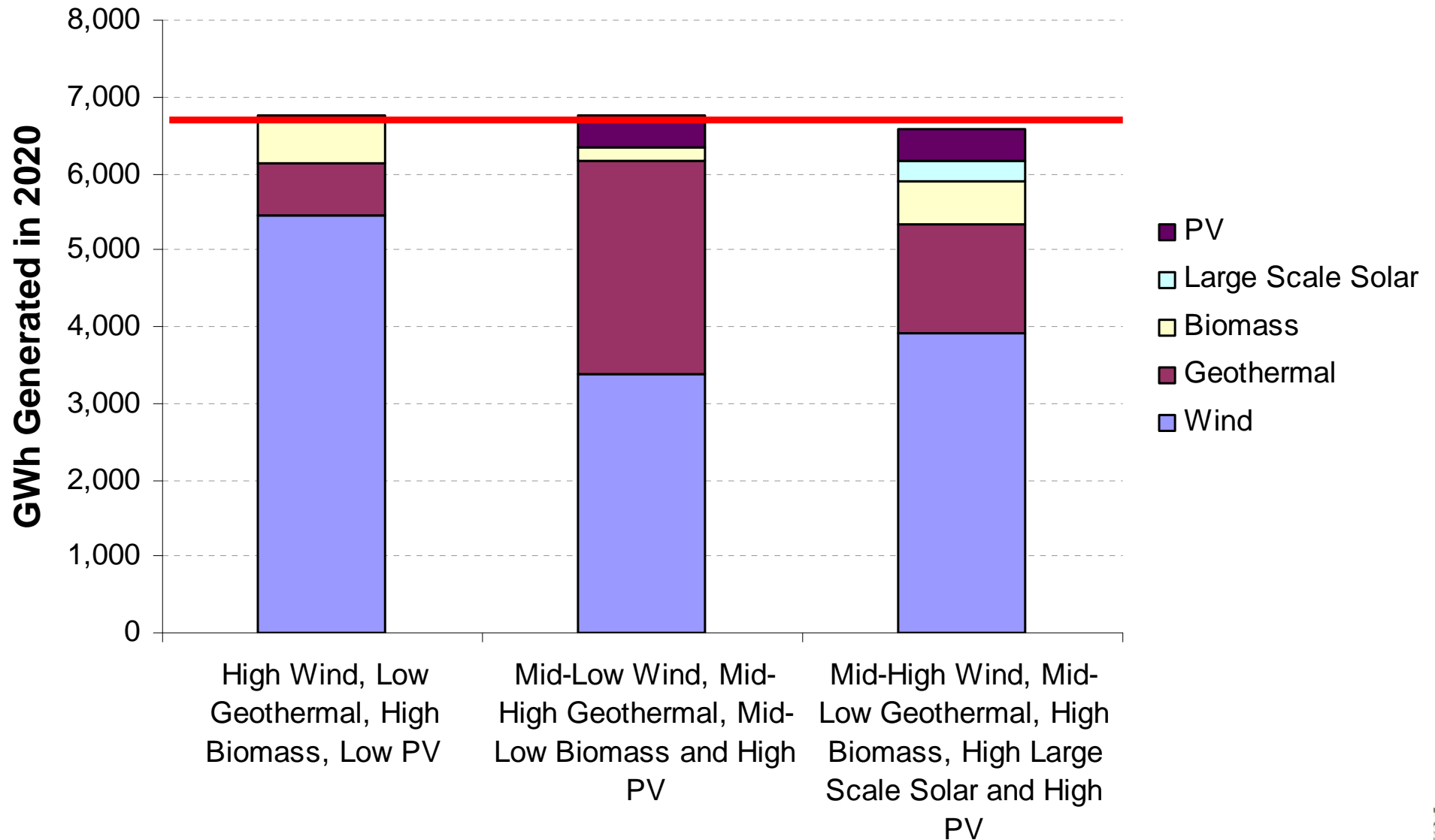
Renewable Energy in South Australia



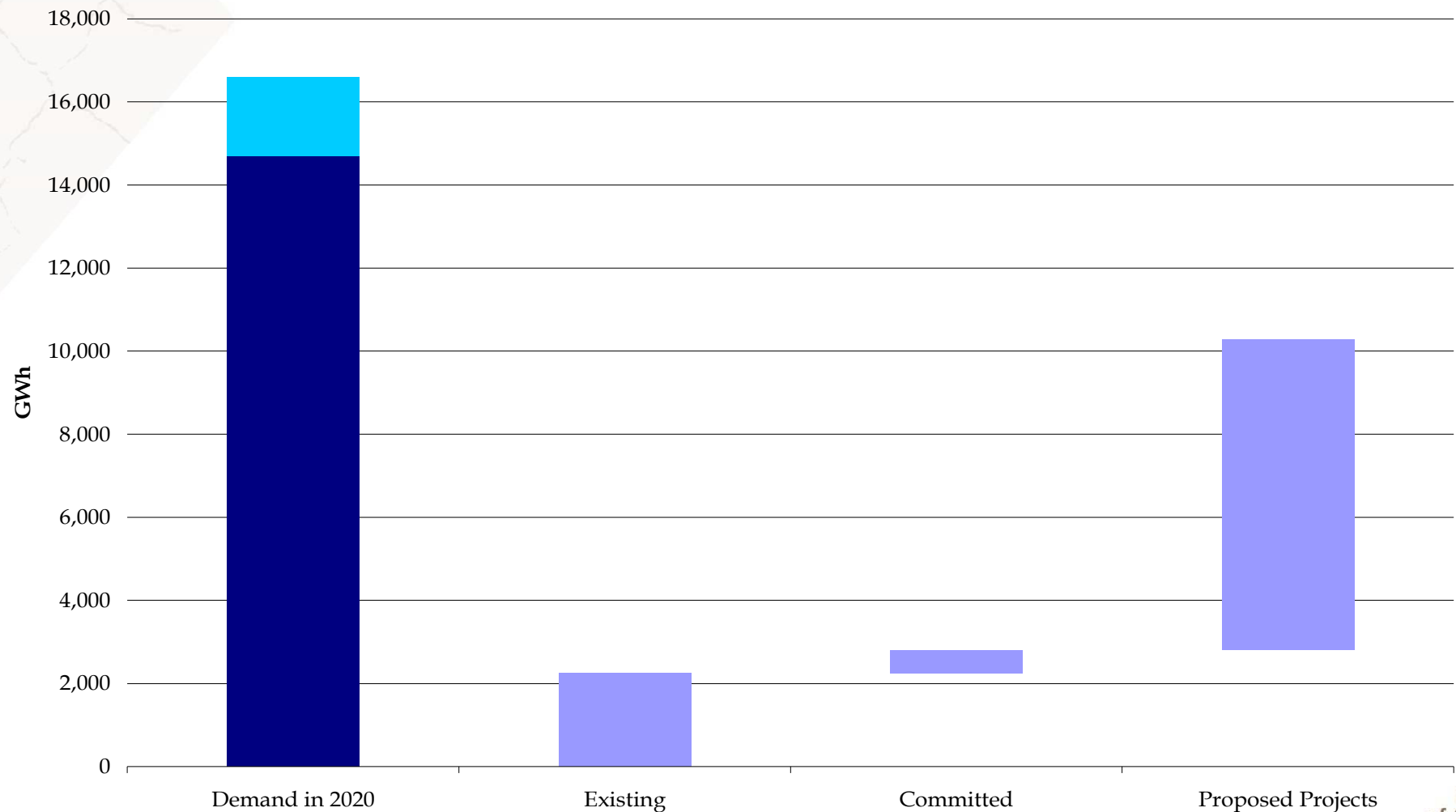
MMA Figure 4-1: Predicted generation by state, CPRS with ERET, low uptake scenario



NIEIR Multiple Paths Estimates

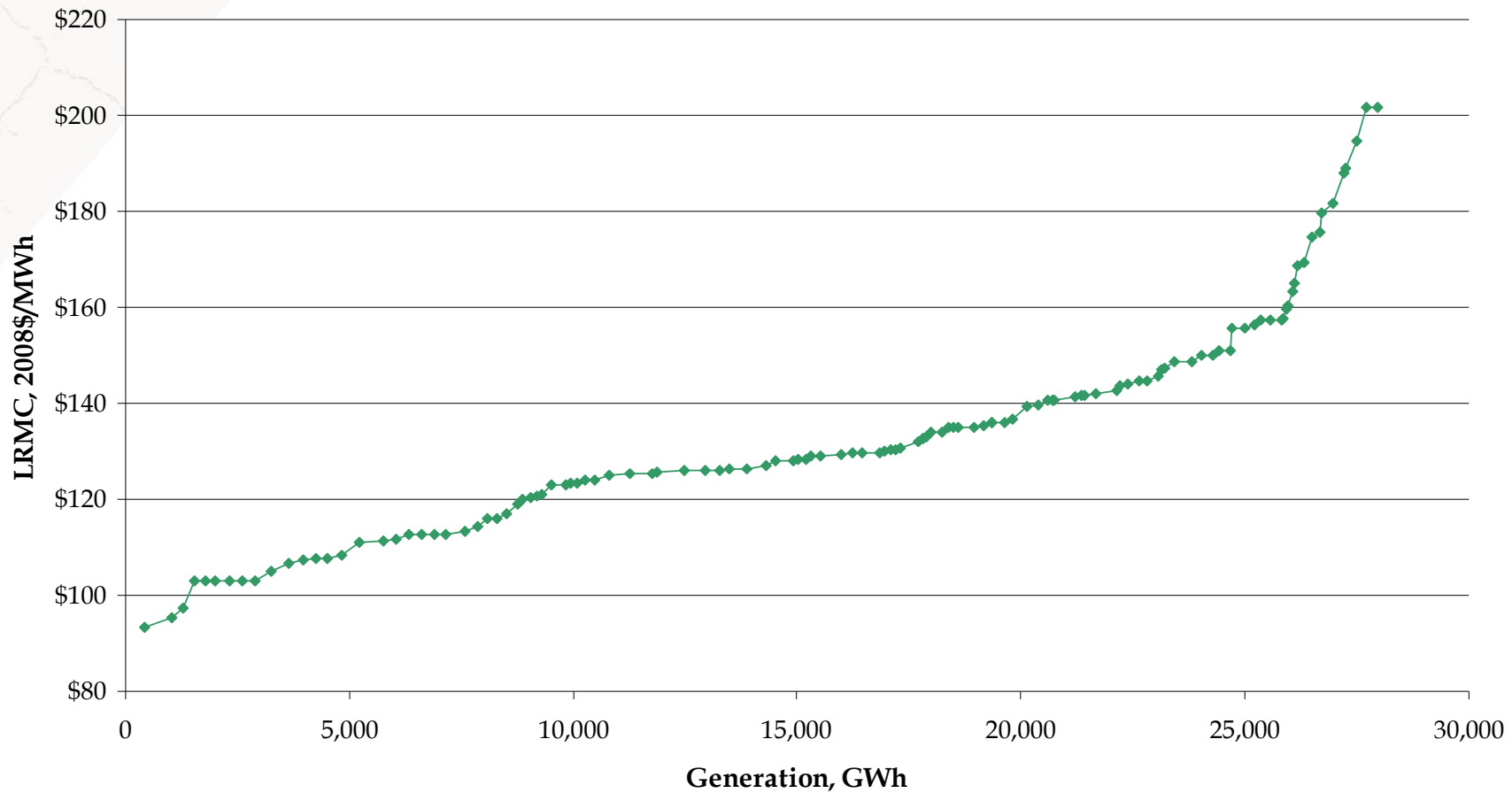


MMA Figure 2-1: Existing, committed and proposed renewable energy capacity in South Australia



MMA's supply cost curve for wind projects

Wind proposed to 2020



MMA Issues Paper (Dec 2008) Figure 3-10

Comparison of the cost of proposed wind and geothermal projects to 2020

Wind & Geothermal proposed to 2020

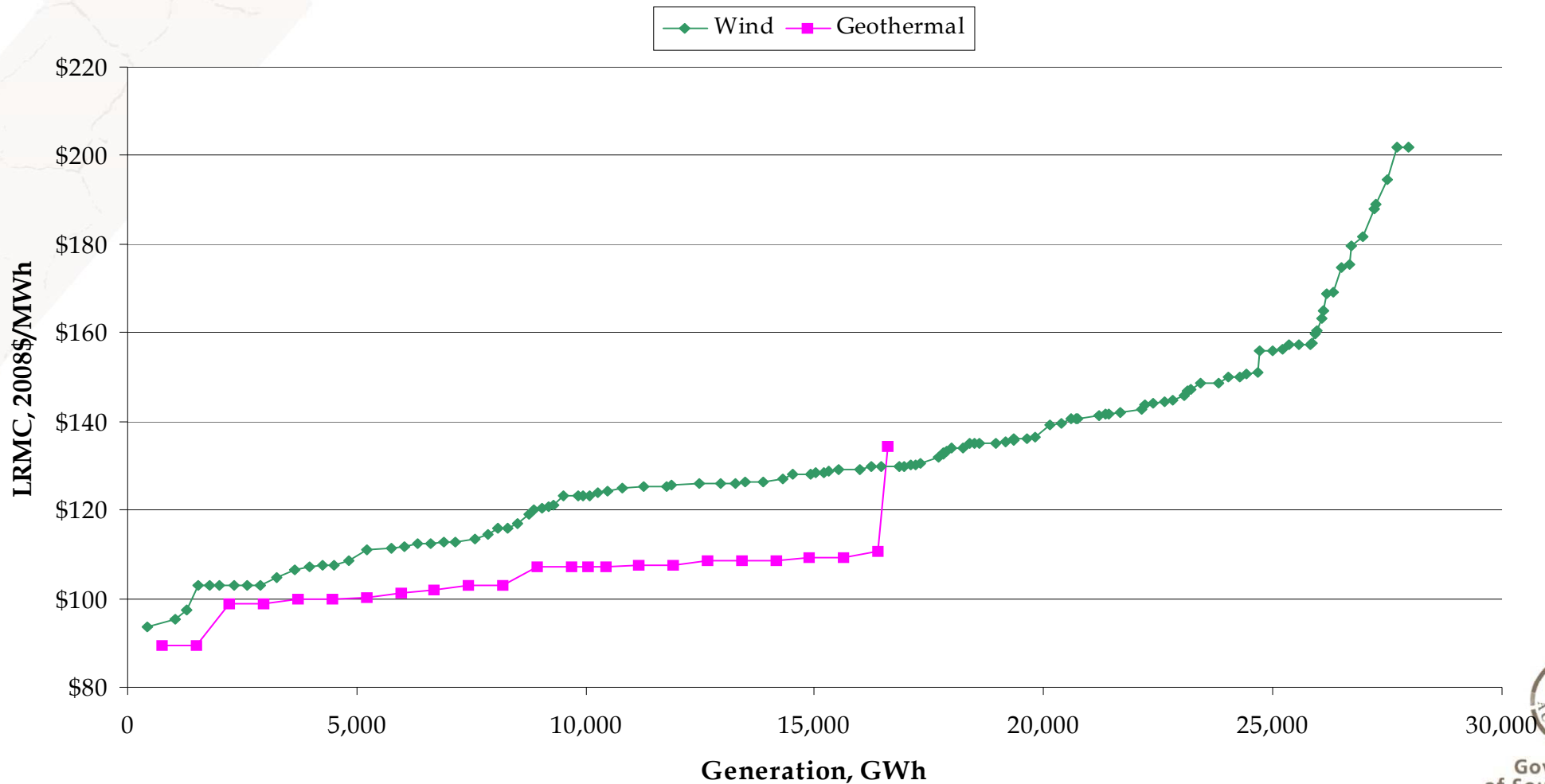
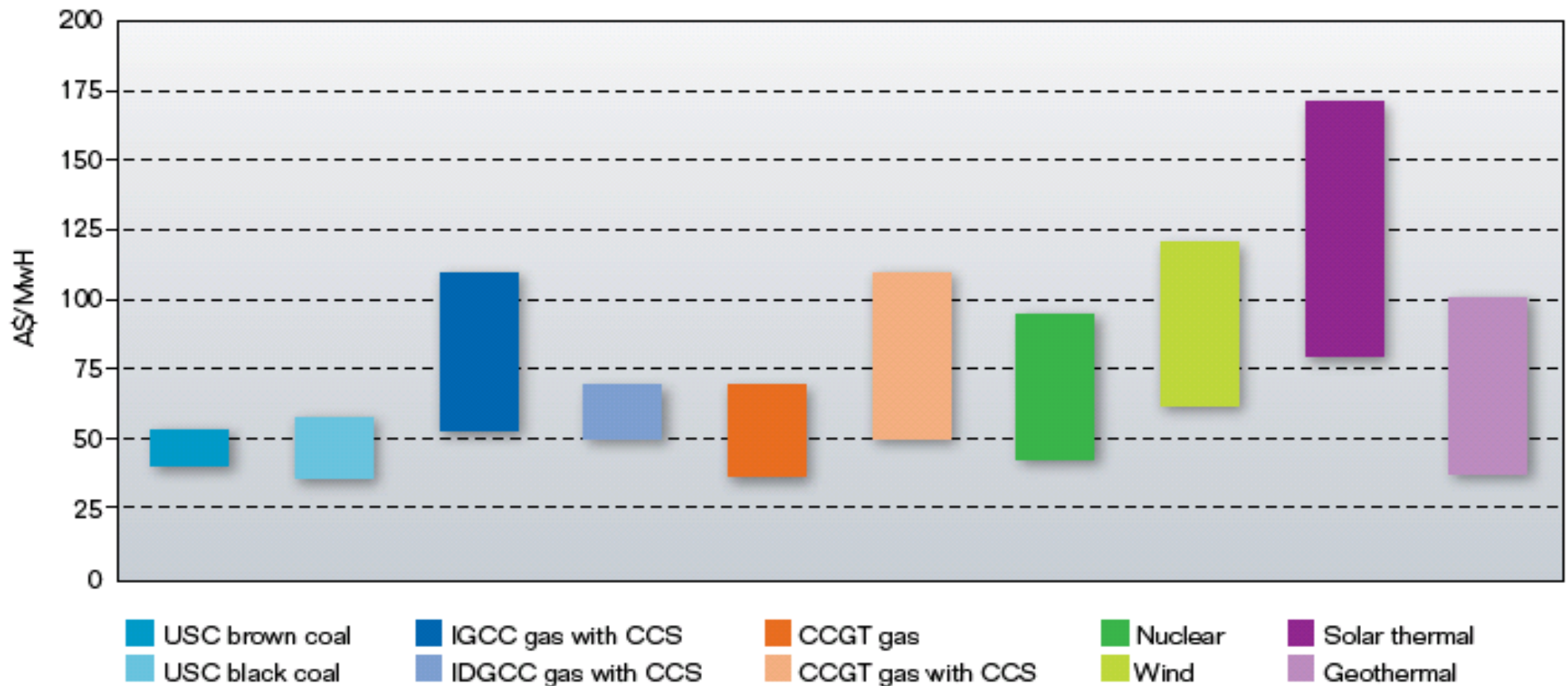


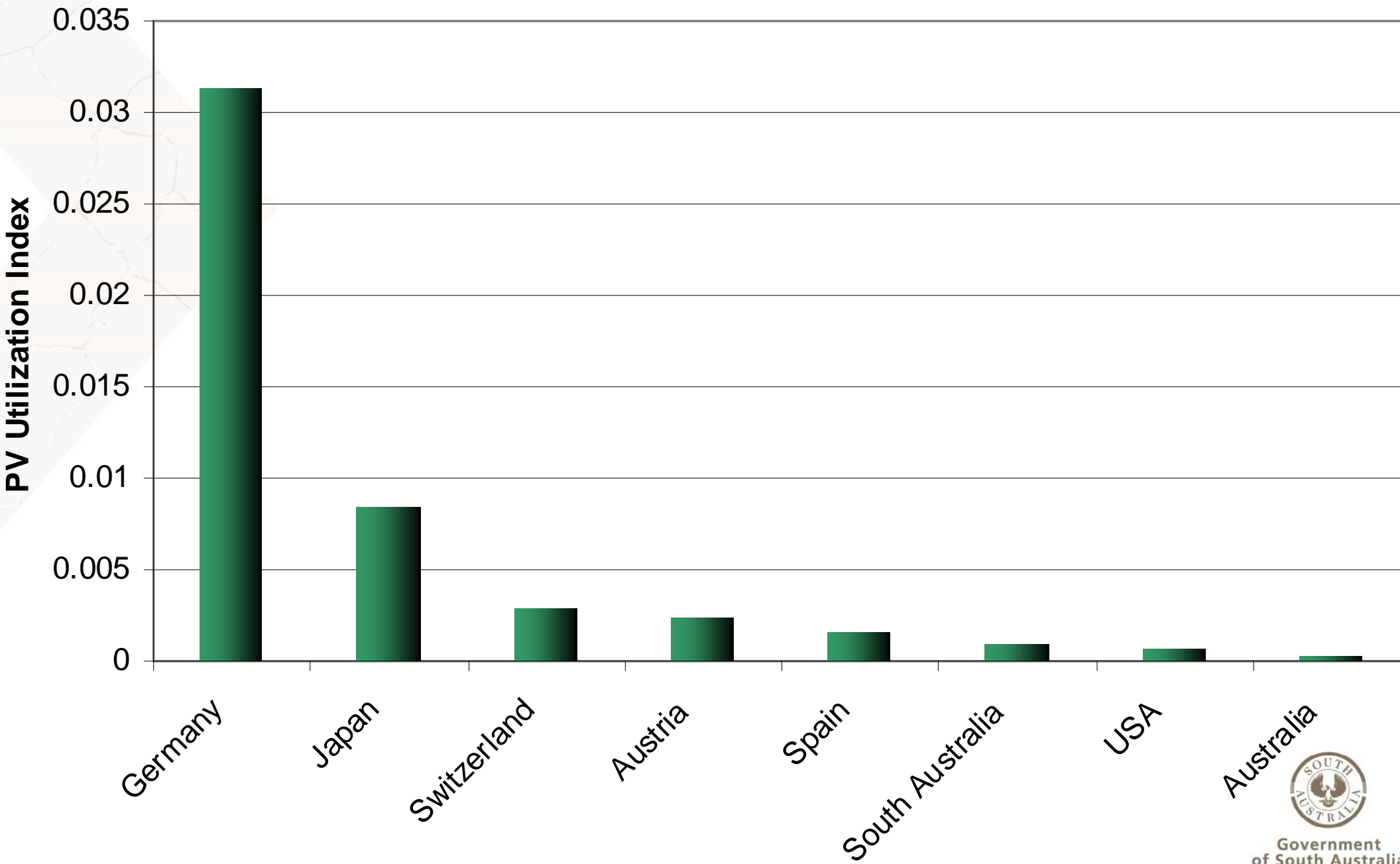
Figure 20.10 Electricity generation technology cost chart



Notes: USC = ultra-supercritical; IGCC = integrated gasification combined cycle; IDGCC = integrated drying gasification combined cycle; CSS = carbon capture and storage; CCGT = combined cycle gas turbine.

Source: Energy Futures Forum (2007), IEA (2008), Wright (2007) and industry submissions.

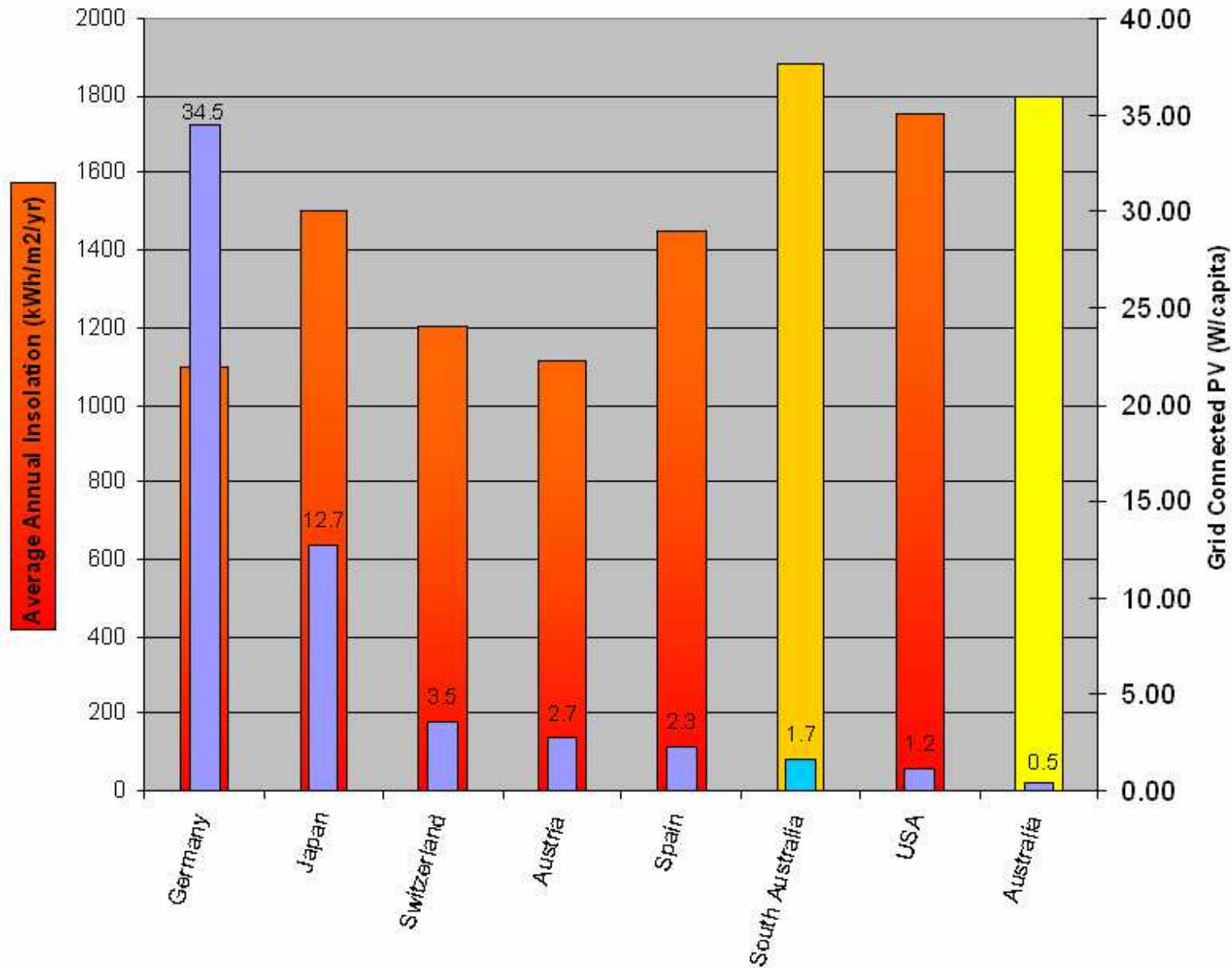
Grid connected PV utilization index



Source:RenewablesSA, 2006 figures



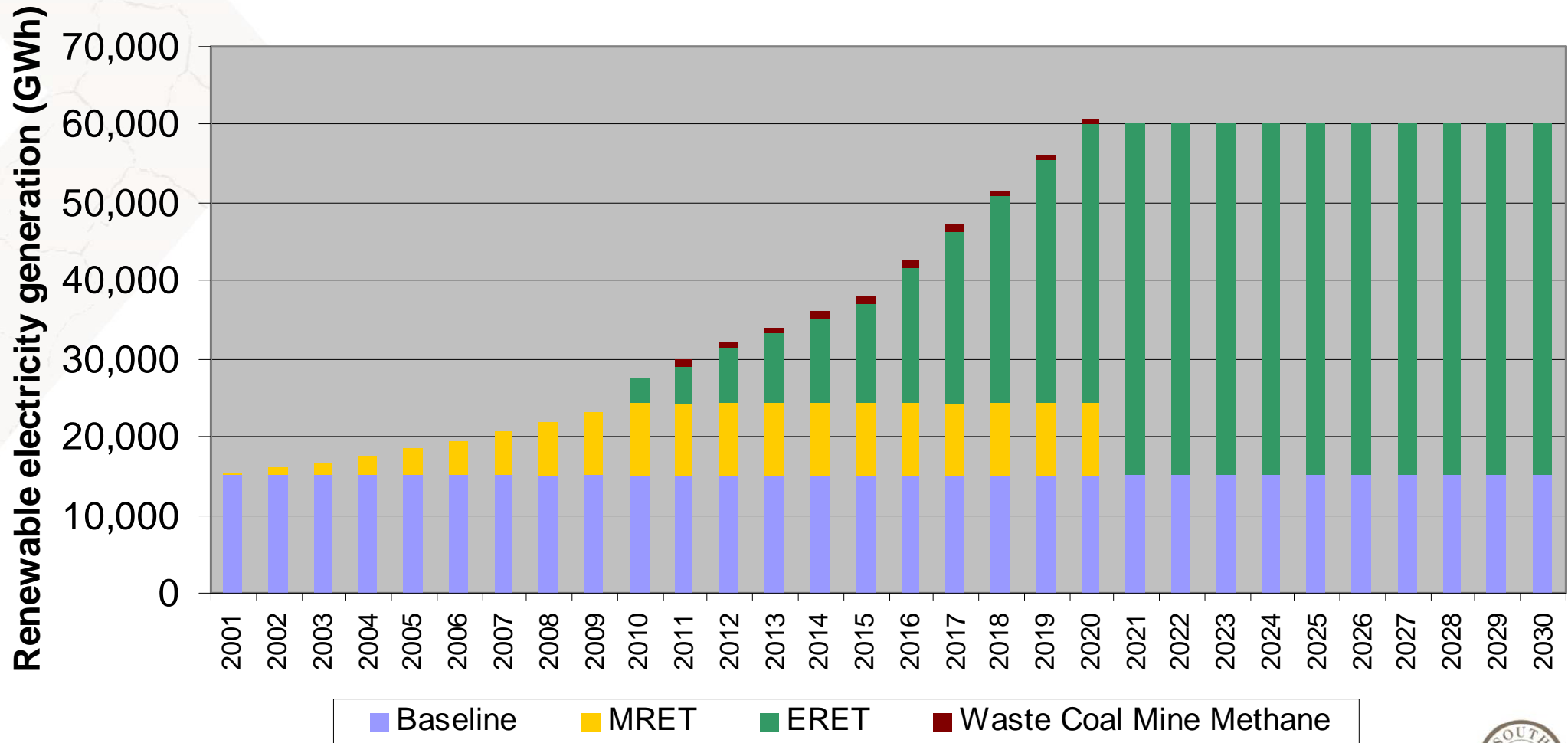
Solar PV grid connected per capita



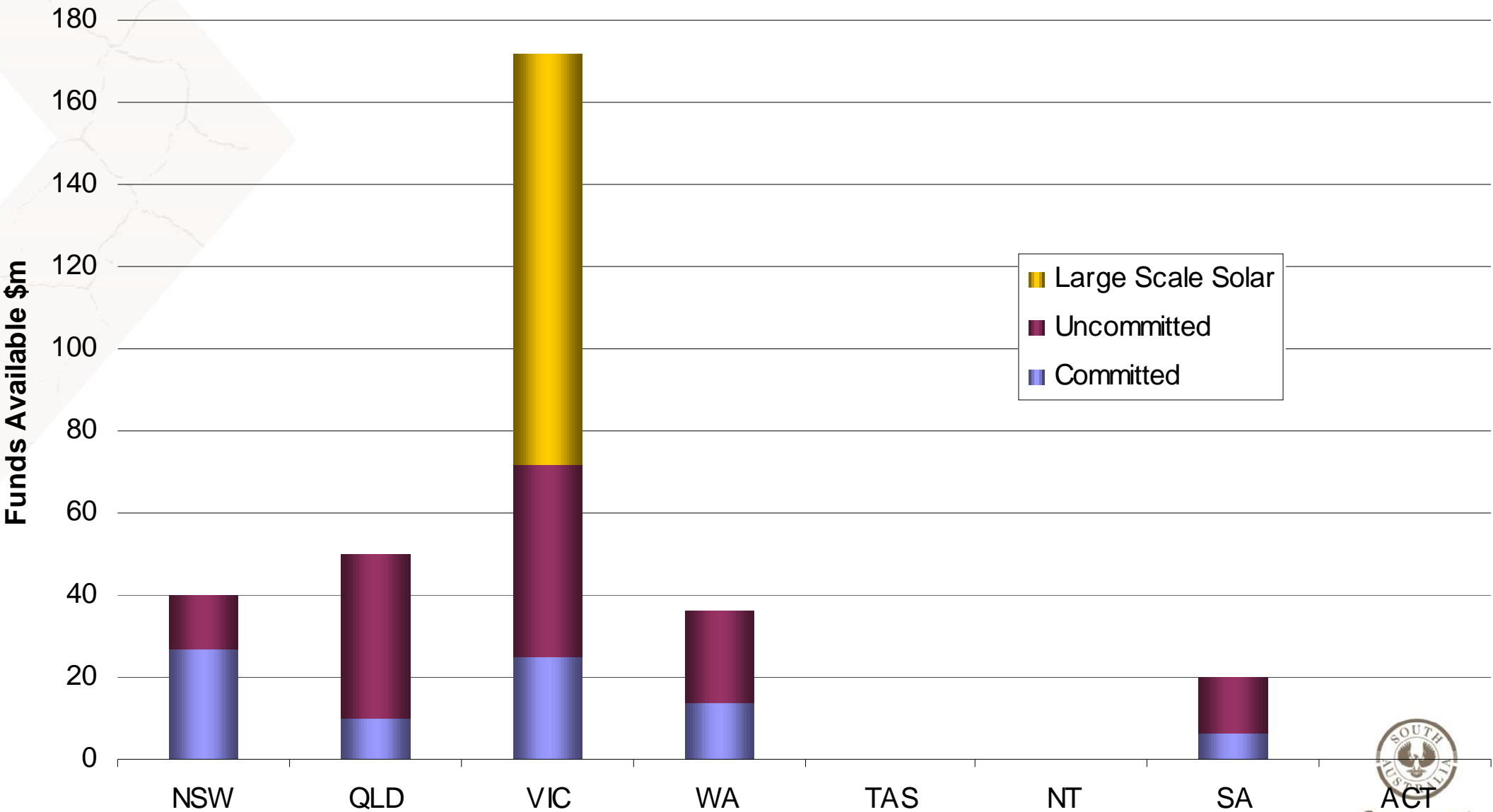
Top 6 countries plus SA and Australia (2006)



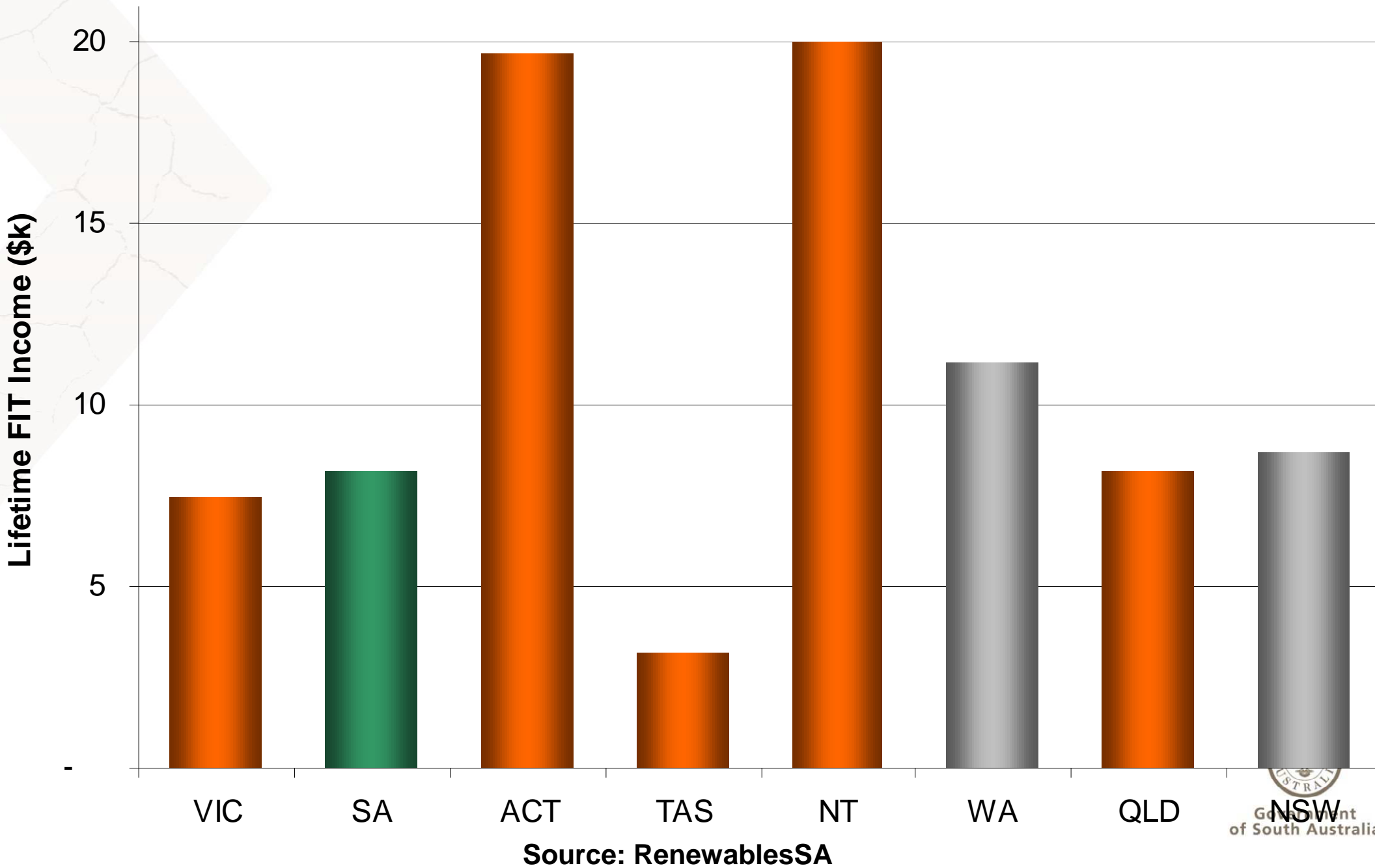
Renewable Energy Target



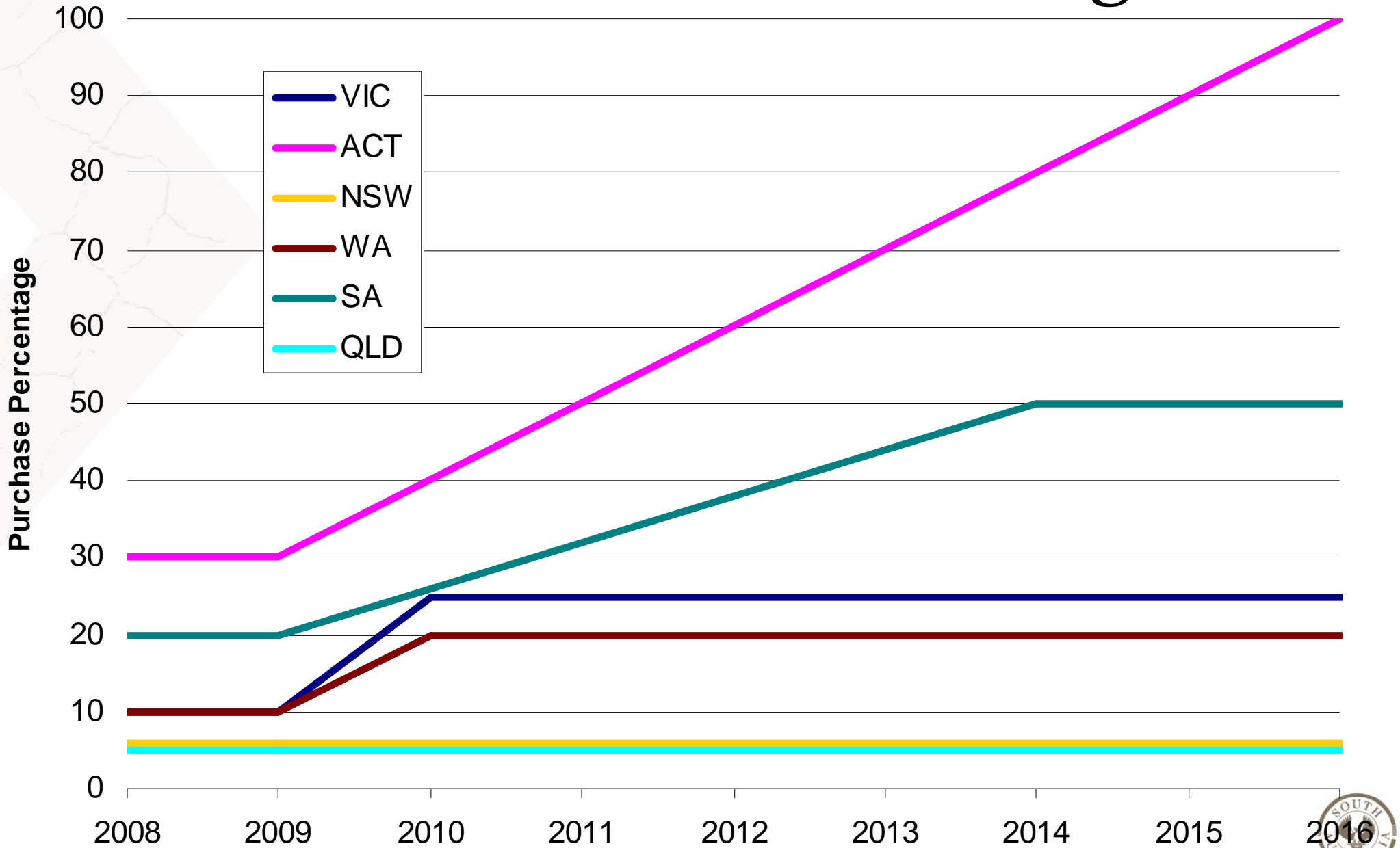
Cash Support for Proposals



Feed In Tariff Program Life Income



GreenPower Purchasing



Source:RenewablesSA



Government of South Australia

Renewable Energy - Key Issues

- Intermittency (base load)
- Interconnector (export)
- Transmission losses
- Storage
- REC flood

