



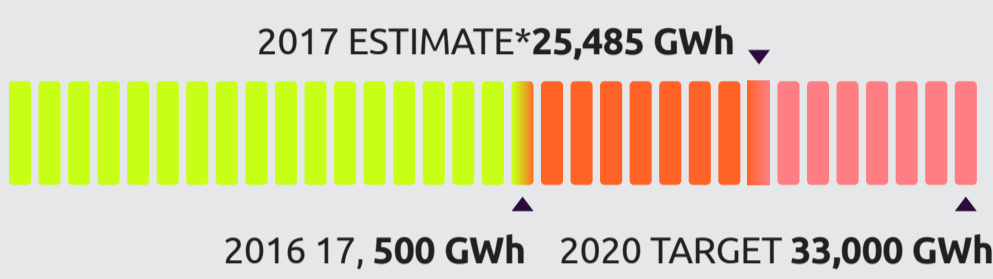
Australia

World Energy Markets Observatory

Australia on track to achieve 2020 target

Renewable Energy Target-2020 Clean Energy Australia

Progress towards the renewable energy target



*This figure represents projects that are underway, have been completed or will start in 2017

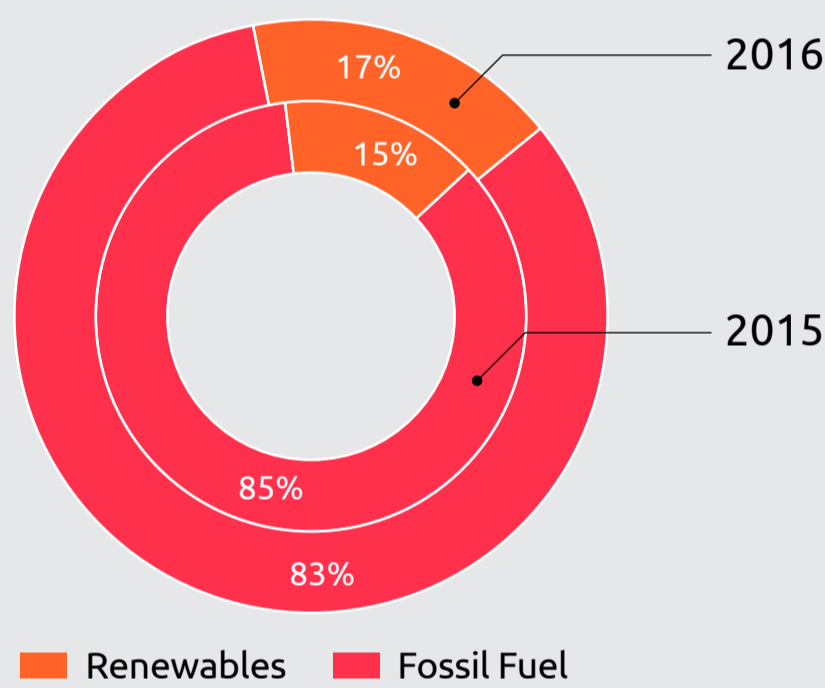


Key Trends

- Australia is a very long way from meeting its committed emissions target (434 million tonnes by 2030)
- Shift from coal and gas generation towards Wind and Solar + a resurgent hydro sector
- Retail electricity prices rose significantly between 2008 and 2013 mainly due to escalating network costs
- Australia emerging as the focal point of international battery storage market
- Experimentation with blockchain technology and its application in energy distribution and grid management is on the horizon

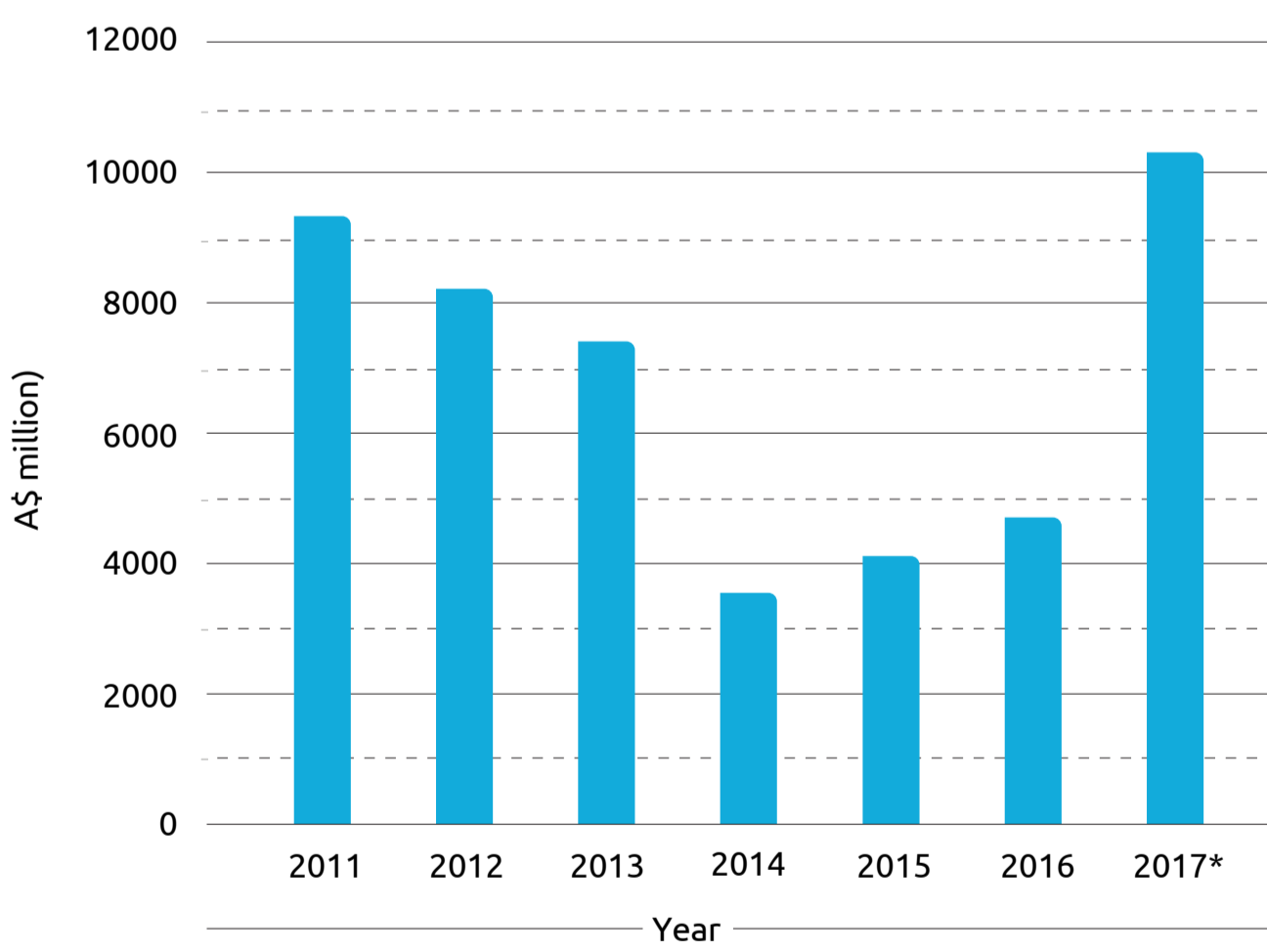
Coal supplied about **84%** of Australia's electric generation in **2015**, a push for cleaner and more renewable power has occurred in the last few years

Annual Electricity Generation-Fossil and Renewable (2015 & 2016)²¹



New investments in Renewable Energy

New Investments in Renewable Energy (A\$ million)



FX Rate: 1.000 A\$ = 0.7208 US\$ (Average 2016 used as Constant)
*Financial commitment for Large-scale renewable energy projects to start in 2017

Source: Bloomberg New Energy Finance-2017, Clean Energy Council

Technology and Innovation in Australia's Energy Market

Behind the meter' applications and off grid remote locations have been identified as core opportunity areas for energy storage

Energy Storage/ Battery Storage



Electric Vehicles



Electric vehicles expected to account for 27% of all vehicle sales by 2035-36, up from a share of only 0.2% in 2015

2.8 million smart meters have been installed across the state of Victoria



Advanced Meter Infrastructure



Blockchain Technology

Australian startups exploring blockchain based trading schemes for energy distribution - encouraging consumers to trade excess renewable energy leveraging this technology

For more information, please visit:

www.capgemini.com/WEMO