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# World Energy Markets **Observatory: Australia**

Affordability, reliability and sustainability on the agenda

Now in its third year, the Australian edition of the World Energy Markets Observatory (WEMO) reveals a country with a full agenda—and competing priorities.

> Country: Australia Population: 25,180,200 (December 2018) GDP: US\$1,357.59 billion (2017 - 2018)

> > "2018 was Australia's third-warmest year on record."

Jan Lindhaus Vice President, Head of Energy & Utilities Australia and Anastasia Klingberg Industry Practice Lead Energy & Utilities, Australia

## At a glance: Renewables and environment



Share of renewables in final energy consumption: 7.7% Total investment in large-scale clean energy: **\$18.8B** Total CO<sub>2</sub> emissions: 536.5 Mt GHG emission growth rate: +0.7%

### Extreme weather has prompted the Australian government to focus on curbing CO<sub>2</sub> emission levels to minimize climate impact



Coal dominates the Australian energy mix, but production has slowed due to greater awareness of harmful emissions and natural aging of plants



Note: The latest available data published by the Department of the Environment and Energy, Australian Energy Statistics provided Australian electricity generation, by fuel type, physical units Expected (E) numbers for 2018



Cumulative Total number of grid-connected installations as on June 30, 2019: 15,824

### Australia has been progressively embracing clean energy, further blostering transition efforts



87: number of large-scale renewable projects underway as of 2018 **10M+:** Equivalent number of homes served by renewable energy Renewable energy penetration ^ 2.6% between 2016-18 **18.9%** share of annual electricity generated by renewables

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Australia is focusing on electricity storage technologies to address the 'trilemma' around energy security and reliability, affordability and emissions reduction 70,000



The **World Energy Markets Observatory (WEMO)** is Capgemini's annual thought leader-ship and research report that tracks the development and transformation of the second second second second second and gas markets in Europe, North America, Australia, Southeast Asia, India and China. Now in its **21st year, WEMO** examines the following topics: climate change & regulatory policies; energy transition; infrastructure & adequacy of supply; supply & final customer; transformation; and financials.

> For more information, please visit: www.capgemini.com/WEMO