

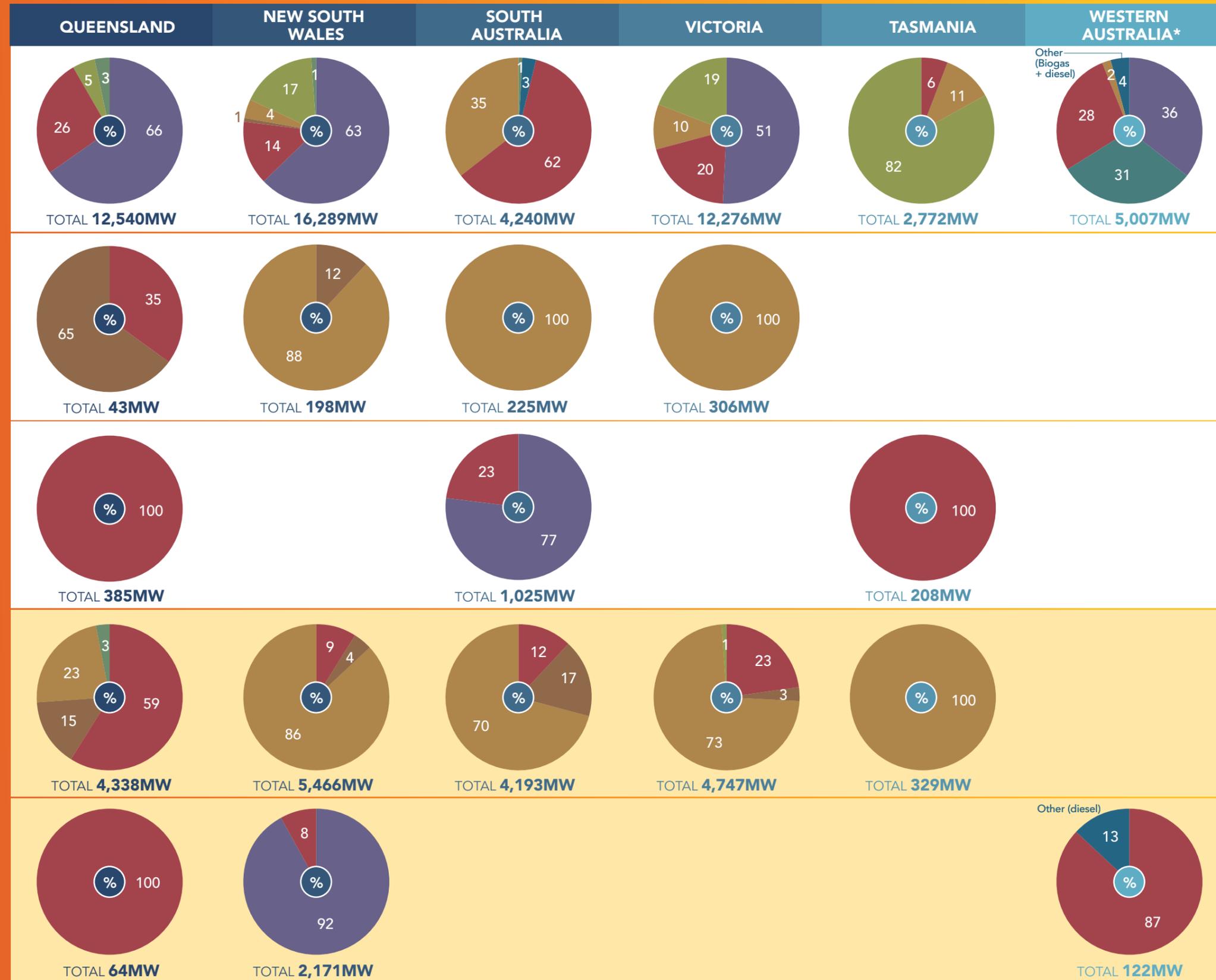
2016 ELECTRICITY STATEMENT OF OPPORTUNITIES

The following information has been developed from AEMO's 2016 *Electricity Statement of Opportunities* (ESOO) which provides National Electricity Market (NEM) participants, investors, and policy-makers with a projected 10-year outlook to 2025–26 of supply adequacy under a number of scenarios.

We have also included information relating to Western Australia's South West interconnected system (SWIS) from the *Deferred 2015 Wholesale Electricity Market Electricity Statement of Opportunities*.

NEM-SIDE GENERATION AND PROJECT CAPACITY BY GENERATION TYPE (MEGAWATTS)

The table below shows the current capacity of existing, committed, publicly announced and withdrawn project capacity by generation type, as at 1 July 2016.



COAL

Conventional coal-fired power stations using brown or black coal as a fuel source.



GAS

This includes combined-cycle gas turbine generators, open-cycle gas turbine generators, and other natural gas or biogas fuel sources.



SOLAR

Energy from the sun used to produce electricity from either solar thermal or photovoltaic (PV) technology.



WIND

A wind farm generating electricity using wind as an energy source.



WATER

Generation from either hydro turbine generators or energy from the ocean. Hydroelectric generation uses the power of pressurised, flowing water to drive a turbine connected to a generating unit. Ocean energy uses ocean waves, tidal currents, or ocean thermal energy to generate electricity.



BIOMASS

Energy crops, or fuel crops, are grown to produce biomass for fuel. Can also include the bi-products of food crops or timber production.



Dual (gas/diesel)

This includes combined-cycle gas turbine, generators open-cycle gas turbine generators, natural gas and diesel.



OTHER

Conventional steam turbine or reciprocating engine powered generators using diesel or non-biomass municipal industrial waste as a fuel source.



ABOUT AEMO

This infographic has been developed by the independent Australian Energy Market Operator (AEMO), using information from the 2016 *Electricity Statement of Opportunities* published in August 2016.

AEMO plans, develops, and operates markets that are responsive to energy sector needs and support investment for the long-term benefit of Australian consumers.

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*Western Australia refers to the South West interconnected system (SWIS) only. The SWIS data refers to generation capacity only, and excludes demand side management capacity. Please note some graphs do not up to 100% due to rounding.