

RENEWABLE ENERGY

**1381. Hon Dr BRAD PETTITT to the parliamentary secretary representing the Minister for Energy:**

I refer to the modelling done by Energy Policy WA for the south west interconnected system and to the answer to question without notice 1180 asked on 10 October 2023 that the WA government has an ambition of 82 per cent renewable energy by 2030, with an expectation of 84 per cent renewable energy on the SWIS.

- (1) From the modelling, how many megawatts of renewable energy will be required to replace state-owned coal generators by 2030?
- (2) If available, how much of this renewable energy in 2030 is expected be from —
  - (a) wind;
  - (b) large-scale solar;
  - (c) rooftop solar; or
  - (d) other?
- (3) From the modelling, how many megawatt hours of storage, and what duration, will be required to support the above renewable energy to replace state-owned coal generators in 2030?

**Hon JACKIE JARVIS replied:**

I thank the honourable member for some notice of the question. The following response has been provided by the Minister for Energy, which I provide on behalf of the parliamentary secretary.

- (1) State-owned coal plant retirements was the subject of a separate modelling exercise. This modelling showed a combination of 810 megawatts of renewable energy would be needed, as well as storage. See the answer to question (3).
- (2) (a) Wind is expected to provide 810 megawatts.  
(b)–(d) Not applicable.
- (3) The modelling showed that 1 100 MW/4 400 MWh of storage would be required.