RENEWABLE ENERGY

1534. Hon Dr BRAD PETTITT to the parliamentary secretary representing the Minister for Energy:

I refer to the answer to question without notice 1381 answered on 8 November 2023.

(1) According to the modelling, what is the expected demand on the south west interconnected system in 2030?

(2) How many megawatts of gas generation will be required to meet the remaining demand, after existing coal units are closed and the projected 810 megawatts of wind and 1 100 megawatts or 4 400 megawatt hours of storage is installed?

(3) Will the minister please table —

(a) the Energy Policy WA modelling for the SWIS; and

(b) the state-owned coal plant retirement modelling referred to in part (1) of the answer?

Hon MATTHEW SWINBOURN replied:

I thank the honourable member for some notice of the question. The following answer has been provided to me by the Minister for Energy.

(1) The south west interconnected system demand assessment modelling shows an annual electricity demand on the SWIS of 32 600 gigawatt hours in 2030, with a peak demand of around 5.9 gigawatts.

(2) Modelled outcomes from the SWIS demand assessment for required gas generation capacity are as follows. In 2030, gas generation capacity is 3.34 gigawatts, of a total 13.4 gigawatts of generation capacity, and contributes eight per cent of energy consumed in the SWIS. In 2042, the end of the study period, gas generation capacity is 6.18 gigawatts, of a total 56.2 gigawatts of generation capacity, and contributes three per cent of energy consumed in the SWIS. Actual gas generation capacity required will be subject to a range of factors.

(3) (a) The answer says “see tabled document” titled, “South west interconnected system (SWIS) demand assessment modelling outcomes”. I believe that is attached to the answer, so I seek to table that document.

[See paper 2868.]

(b) The Synergy modelling is cabinet-in-confidence.