

**Senate Standing Committee on Environment and Communications
Legislation Committee**

Answers to questions on notice
Environment and Energy portfolio

Question No: 188
Hearing: Budget Estimates
Outcome: Outcome 2
Program: Energy Division (ED)
Topic: Data on battery storage dispatch capacity
Hansard Page: 88 and 89
Question Date: 23 May 2017
Question Type: Spoken

Senator Moore asked:

Senator MOORE: I asked a previous question about estimates but regarding storage dispatch capacity, can the department provide estimates and projections?

Mr Archer: Certainly we can look to finding out that information for you. The question feels a little bit vague to me so I am not sure whether you can—

Senator MOORE: We can tighten that and put that on notice. In terms of the information regarding battery storage dispatch capacity, is that the kind of data in terms of estimates and projections that the department would have or could provide?

Mr Archer: I think we could endeavour to find out that information. Batteries can come in different sizes of course—

Senator MOORE: And a different focus for a different purpose.

Mr Archer: Yes, that is right. But we can endeavour to find out what is possible with the technology as it stands today.

Senator URQUHART: If I could jump in and ask in terms of the cost of despatching too. If you could provide that response as well?

Mr Archer: Yes.

Answer:

Sunwiz estimated that approximately 6,750 batteries with a capacity of 52 megawatt hours (MWh) were installed in 2016. The number and capacity of batteries will increase in future as the cost of technologies fall and a range of government initiatives and market reforms support their adoption. The Australian Energy Market Operator's (AEMO) June 2016 National Electricity Forecasting Report, estimated that installed battery capacity would reach just over 6,600 MWh by 2035-36.

The Sunwiz article is available at: www.sunwiz.com.au/index.php/2012-06-26-00-47-40/73-newsletter/420-battery-market-hotter-than-previously-thought.html.

AEMO's National Electricity Forecasting Report is available at: http://www.aemo.com.au/-/media/Files/Electricity/NEM/Planning_and_Forecasting/NEFR/2016/2016-National-Electricity-Forecasting-Report-NEFR.pdf

Please refer to SQ17-000363 for details of battery costs.