Senate Standing Committee on Environment and Communications
Legislation Committee
Answers to questions on notice
Environment and Energy portfolio

Question No:	149
Hearing:	Additional Estimates
Outcome:	Outcome 5
Program:	Energy Division (ED)
Topic:	South Australia's electricity system
Hansard Page:	74
Question Date:	27 February 2017
Question Type:	Spoken

Senator Urquhart asked:

Senator URQUHART: Are you able to give us a summary of how South Australia compared to other states?
Mr Heferen: Yes. We can take that on notice.

Answer:

Reliability in the National Electricity Market (NEM) is measured in terms of unserved energy. This refers to the amount of energy that is required (or demanded) by customers which cannot be supplied.

The Australian Energy Market Commission (AEMC) Reliability Panel sets the reliability standard for generation across the NEM. The current reliability standard of generation requires that the maximum amount of unserved energy in any region not exceed 0.002 per cent of the regions annual energy consumption (about 11 minutes a year). The reliability standard does not take into account unserved energy caused by local transmission or distribution elements.

Data for unserved energy for each of the NEM regions from 2005-06 to 2014-15 are attached.

AEMO is yet to produce statistics for the period 2015-16 onwards.

Attachment A – Historical regional unserved energy from 2005-6 to 2014-15 as a percentage of each region's annual energy consumption

Year	Queensland (%)	NSW (%)	Victoria (%)	SA (%)	Tasmania (%)
2014-2015	0.0000	0.0000	0.0000	0.0000	0.0000
2013-2014	0.0000	0.0000	0.0000	0.0000	0.0000
2012-2013	0.0000	0.0000	0.0000	0.0000	0.0000
2011-2012	0.0000	0.0000	0.0000	0.0000	0.0000
2010-2011	0.0000	0.0000	0.0000	0.0000	0.0000
2009-2010	0.0000	0.0000	0.0000	0.0000	0.0000
2008-2009	0.0000	0.0000	0.0040	0.0032	0.0000
2007-2008	0.0000	0.0000	0.0000	0.0000	0.0000
2006-2007	0.0000	0.0000	0.0000	0.0000	0.0000
2005-2006	0.0000	0.0000	0.0000	0.0000	0.0000
10-year average reliability by region	**0.0000**	**0.0000**	**0.00040**	**0.00032**	**0.0000**

Source: AEMO.