

Economics Legislation Committee
ANSWERS TO QUESTIONS ON NOTICE
Industry and Science Portfolio
Additional Estimates 2014-15
26 February 2015

AGENCY/DEPARTMENT: DEPARTMENT OF INDUSTRY AND SCIENCE

TOPIC: Australian Energy Market

REFERENCE: Question on Notice (Hansard, 26 February 2015, page 133)

QUESTION No.: AI-38

Senator KETTER: Are you able—and you might want to take this on notice—to tell us what has been the contribution of energy efficiency to the Australian energy market year on year since 2009?
Ms Helen Bennett: I think I will definitely have to take that on notice.

ANSWER

The department publishes *Economic analysis of end-use energy intensity in Australia*, which estimates the impact of energy efficiency in each of Australia's economic sectors. The most recent edition of this publication is May 2012, which covers the 20 year period between 1989-90 and 2009-10. The report is available at: www.industry.gov.au/industry/Office-of-the-Chief-Economist/Publications/Pages/Economic-analysis-of-end-use-energy-intensity-in-Australia.aspx. Work is underway to produce a new edition, due for publication in mid-2015.

An external source, Hugh Saddler, of The Australia Institute, modelled the effect of energy efficiency on the National Electricity Market in the report *Power Down: why is electricity consumption decreasing?* His modelling suggested that energy efficiency contributed to a cumulative saving of 58.0 Terawatt hours (TWh) of electricity from 2009 to 2013 inclusive. The table below shows the year by year contribution, estimated from figure 21 of the report. The full report is available at www.tai.org.au/content/power-down

Table 1: Estimation of annual energy efficiency savings in the National Electricity Market, 2009 to 2013.

Year:	2009	2010	2011	2012	2013
Estimation of annual energy efficiency (TWh)	7.5	11.0	12.0	13.5	14.0

This excludes Western Australia and the Northern Territory.