

**Senate Standing Committee on Economics**  
**ANSWERS TO QUESTIONS ON NOTICE**  
Innovation, Industry, Science and Research Portfolio  
Additional Estimates Hearing 2007-08  
21 February 2008

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**AGENCY/DEPARTMENT:** INNOVATION, INDUSTRY, SCIENCE AND RESEARCH

**TOPIC:** CSIRO - Spending on Solar Thermal Compared to Spending on Carbon Capture and Storage

**REFERENCE:** Question on Notice (Hansard 21/2/08, Page E62)

**QUESTION No.** AI-14

**Senator MILNE**—Specifically I would like to know what you are spending on solar thermal compared with what you are spending on carbon capture and storage.

**Dr Garrett**—We will get you that data.

**Senator MILNE**—Thank you. If you can just give me a breakdown of that; in fact I would be keen to see a breakdown on the renewables generally.

**ANSWER**

**Renewables**

CSIRO's total expenditure on renewables in 2006-07 was \$12.2 million, of which \$2.8 million was spent on solar thermal research and \$1.8 million on Organic Photovoltaics (OPV). Other renewable technologies being researched include wind power, energy storage, ethanol blend fuels (E10); Energy Transformed Flagship H2 cluster and some minor related projects.

<b>Category</b>	<b>Actuals</b>
	<b>2006-07</b>
	<b>(\$m)</b>
Renewables	<b>12.2</b>
<i>Wind</i>	0.8
<i>Solar</i>	2.8
<i>OPV</i>	1.8
<i>Energy Storage</i>	2.1
<i>Collaboration (external is in-kind)</i>	1.4
<i>Direct Water Splitting for Hydrogen Production</i>	>0.05
<i>Other (Minor Investigations)</i>	1.7
<i>Ethanol projects</i>	1.7

**Low Emissions Coal Technologies**

CSIRO's total expenditure on low emissions coal technologies in 2006-07 was \$14.0 million, of which \$11.2 million was spent on post combustion capture, gasification including syngas processing/separation, and sequestration.