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

Question No: 98

Hearing: Additional Estimates

Outcome: Outcome 2

Programme: Climate Change and Renewable Energy (CCARE)

Topic: National Pollutant Inventory

Hansard Page: N/A

Question Date: 24 February 2016

Question Type: Written

Senator Waters asked:

1. Referring to the Quarterly Updates - Can the Department please compile the standard table 2 (Sectoral Summary) for both quarters separately and provide them on notice? [the table is copied below for reference].

2. Once this is complete, will you put this on your website for transparency and so that researchers can access the data and compare apples with apples?

Sectoral summary

The National Greenhouse Gas Inventory data, disaggregated by sector for the year to March 2014 and 2015, are presented in Table 2.

Table 2: National Greenhouse Gas Inventory, 'unadjusted' emissions by sector, year to March 2014 and 2015

Sector	Annual emissions (Mt CO_2-e)		Change (%)
	Year to March 2014	Year to March 2015	
Energy – Electricity	180.8	182.1	0.7%
Energy – Stationary energy excluding electricity	93.1	94.2	1.2%
Energy – Transport	92.6	92.6	0.1%
Energy – Fugitive emissions	40.8	40.4	-1.0%
Industrial processes and product use	30.8	30.5	-1.0%
Agriculture	83.6	80.7	-3.4%
Waste	13.4	13.4	0.0%
National Inventory Total (excluding LULUCF)	**535.0**	**533.9**	-0.2%
Land Use, Land Use Change and Forestry[a]	8.2	11.1	35.5%
National Inventory Total (including LULUCF)	**543.2**	**545.1**	0.3%

[a] includes *deforestation, afforestation/reforestation, forest management, crop* and *grazing land management*

Answer:

1. As requested, the table below presents the data for the year to December 2013 and 2014 for comparison with the data from Table 2 published in the March 2015 *Quarterly Update*, reproduced on the previous page. These data were obtained from published data sources – specifically, Data Table 1 on page 26 of the *Quarterly Update of Australia's National Greenhouse Gas Inventory: March 2015*.

Sector	Annual emissions (Mt CO_2-e)		Change (%)
	December 2013	December 2014	
Energy – Electricity	181.9	182.0	0.1%
Energy – Stationary energy excluding electricity	92.6	94.0	1.5%
Energy – Transport	92.4	92.5	0.1%
Energy – Fugitive emissions	39.7	41.1	3.5%
Industrial processes and product use	31.4	30.5	-2.9%
Agriculture	84.0	81.4	-3.1%
Waste	13.4	13.4	0.0%
National Inventory Total (excluding Land Use, Land Use Change and Forestry)	**535.6**	**534.9**	-0.1%
Land Use, Land Use Change and Forestry[a]	7.6	10.3	35.5%
National Inventory Total (including Land Use, Land Use Change and Forestry)	**543.1**	**545.3**	0.4%

[a] includes *deforestation, afforestation/reforestation, forest management, crop* and *grazing land management*

2. The data is currently available on the Department's website, both in pdf and excel formats: http://www.environment.gov.au/climate-change/greenhouse-gas-measurement/publications/quarterly-update-australias-national-greenhouse-gas-inventory-march-2015

   Each quarter, the Department publishes the *Quarterly Update of Australia's National Greenhouse Gas Inventory* – which are catalogued on the Department's *Progress of the National Greenhouse Gas Inventory* webpage: http://www.environment.gov.au/climate-change/greenhouse-gas-measurement/progress-inventory

   A time series of data by sector by quarter are presented in Data Table 1 at the back of each of pdf publication of the *Quarterly Update.* On the same webpage, the data is available in an Excel spreadsheet. Using either format, annual data by sector for any year from 2000 can be calculated.