

Senate Standing Committee on Finance and Public Administration
ANSWER TO QUESTION ON NOTICE
Prime Minister and Cabinet Portfolio
Department of Climate Change
Additional Estimates Hearing—February 2008



Written question reference: CC7

Outcome/Output: Response to climate change

Topic: Australia's contribution to world emissions

Hansard Page: F&PA 27-28

Question:

Senator MACDONALD – How much greenhouse gas emissions are there in the world and what is Australia's contribution to world greenhouse gas emissions? What are the United States, China, India, Europe and different developing countries' emissions?

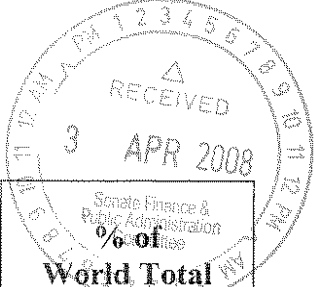
Answer:

According to the International Energy Agency, total world carbon dioxide emissions from fuel combustion were 27, 136 megatonnes in 2005. Australia contributed 1.4 per cent of this. Australia is the 14th largest emitter in absolute terms.

The latest data available on total emissions including land use change is for 2000. If land use change emissions are included, Australia is the 17th largest emitter and contributes 1.1 per cent of total world greenhouse gas emissions (World Resources Institute online database).

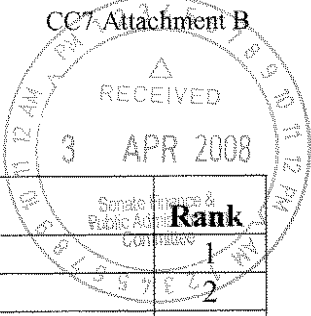
Emissions for a range of other countries are shown in the attached tables.

Total GHG Emissions in 2000
(Includes land use change)
CO₂, CH₄, N₂O, PFCs, HFCs, SF₆



Country	MtCO ₂	Rank	% of World Total
United States of America	6,465	1	14.9%
China	4,835	2	11.1%
European Union (25)	4,726		10.9%
Indonesia	3,066	3	7.1%
Brazil	2,322	4	5.3%
Russian Federation	1,963	5	4.5%
India	1,566	6	3.6%
Japan	1,370	7	3.2%
Germany	1,016	8	2.3%
Malaysia	856	9	2.0%
Canada	745	10	1.7%
Mexico	670	11	1.5%
United Kingdom	653	12	1.5%
Italy	532	13	1.2%
Korea (South)	526	14	1.2%
Myanmar	521	15	1.2%
France	515	16	1.2%
Australia	499	17	1.1%
Ukraine	485	18	1.1%
South Africa	443	19	1.0%
Nigeria	442	20	1.0%
World	43,484		

Source: Climate Analysis Indicators Tool (CAIT) Version 5.0. (Washington, DC: World Resources Institute, 2008).

CO₂ Emissions from Fuel Combustion


COUNTRY	2005	Rank
United States	5816	1
People's Republic of China	5060	2
European Union - 27	3976	
Russia	1544	3
Japan	1214	4
India	1147	5
Germany	813	6
Canada	549	7
United Kingdom	530	8
Italy	454	9
Korea	449	10
Islamic Republic of Iran	407	11
Mexico	389	12
France	388	13
Australia	377	14
Spain	342	15
Indonesia	341	16
South Africa	330	17
Brazil	329	18
Saudi Arabia	320	19
World	27136	
Australia's Rank	14	
Australia's Emissions as % of world emissions	1.4%	

Source: CO₂ Emissions from Fuel Combustion 1971 - 2005, (International Energy Agency 2007)