

## Comparison table showing tonnes of Carbon Dioxide produced versus heating cost ( \$ ) per year for different fuel types in capital cities around Australia

Note: Extract and table taken from Australian Consumers' Association, Choice, website in January 2007

However, because of the Australian diversity in population covering urban and country areas, people will always burn wood for economic reasons.

Many people in regional areas do not have access to alternative fuels such as natural gas.

As far as CO<sub>2</sub> emissions are concerned, firewood is regarded as being CO<sub>2</sub> neutral compared to other high emission sources such as Electricity (Fossil fuels) as show in the following table:

**Carbon dioxide production (tonnes) and heating cost (\$) per year**

Heating type	Adelaide		Brisbane		Canberra		Hobart		Melbourne		Perth		Sydney	
	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$	Tonnes	\$
Natural gas -- flued (A) (B)	1.3	210	0.3	90	3	520	na (D)	na (D)	2.6	380	0.5	90	0.9	160
Electric radiant and convection	4.5	550	1	120	11	1320	0.7	1380	12.6	1080	1.9	230	3.4	410
Electric off-peak storage	5.2	210	1	40	12.5	500	0.8	520	14.3	410	2.2	90	3.9	150
Electric air conditioning	1.3	160	0.3	30	3.1	380	0.2	400	3.6	310	0.6	70	1	120
Wood -- open fire (C)	0.3	1540	0.1	370	0.8	3290	0.8	2030	0.7	3570	0.1	480	0.2	1440
Wood -- slow combustion (C)	0.06	280	0.01	50	0.14	610	0.14	370	0.12	640	0.02	70	0.04	240
Coal -- slow combustion	2.3	310	0.5	70	5.7	760	5.4	720	4.8	640	0.9	120	1.8	240

(A) LPG produces the same amount of CO<sub>2</sub> as natural gas, but is considerably more expensive.

(B) The computer program we used doesn't deal with unflued gas heaters.

(C) The CO<sub>2</sub> figures refer to firewood that's replaced by new trees, and would be considerably higher if it wasn't (see *How we calculated*, below).

(D) Not applicable -- no piped natural gas is available in Tasmania.

Note:

Table taken from *Australian Consumers' Association* website in Jan 2007 - reference:

<http://www.choice.com.au> and

<http://www.choice.com.au/viewArticle.aspx?id=100340&catId=100519&tid=100008&p=9&title=Your+heating+options>

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