



AUSTRALIAN BUREAU OF STATISTICS
Canberra



**NATIONAL ENERGY SURVEY:
ANNUAL CONSUMPTION OF
RETICULATED ENERGY
BY HOUSEHOLDS,
AUSTRALIA
1985-86**

**(Previously: National Energy Survey, Household
Energy Consumption, Australia)**

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IAN CASTLES
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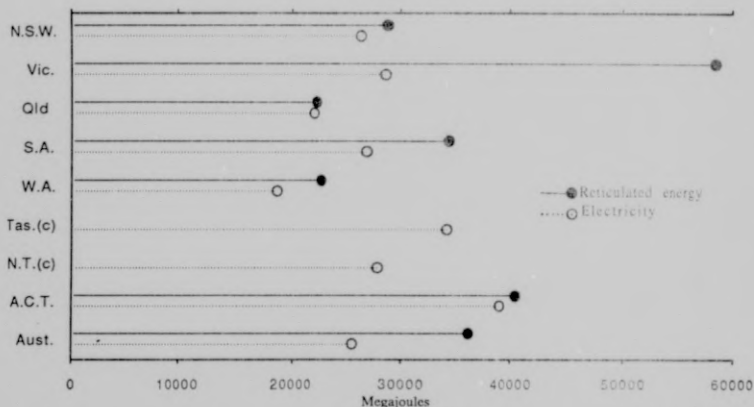
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SUMMARY OF FINDINGS

The amount of reticulated energy (i.e. electricity and gas) consumed by households in Australia is influenced by a number of factors, principal among these being geographical location, household income and household composition. There are several other factors, however, that also play a determinant role, for example: the size of the dwelling, whether it is owned or being rented; the availability of preferred energy types (especially reticulated gas and wood solid fuels); and the costs associated with using a specific type of energy. Although this survey collected information on a number of these factors, no detailed analysis of the correlation between these factors has been undertaken. This summary, therefore, attempts to highlight the relationship between certain variables and the energy consumption patterns of Australian households.

The following diagram shows the average household consumption of reticulated energy by State/Territory for 1985-86. As expected, households located in the colder south eastern States of Victoria, South Australia and Tasmania and the Australian Capital Territory are the heavier consumers of reticulated energy, with households in the more temperate States of Queensland and Western Australia consuming less energy.

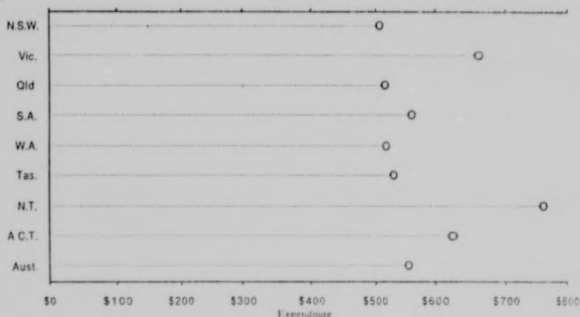
AVERAGE ANNUAL CONSUMPTION OF RETICULATED ENERGY (a) AND ELECTRICITY (b), 1985-86.
(Refer Table 1)



(a) Average reticulated energy consumption of ALL households. (b) Average electricity consumption of households without reticulated gas. (c) Only electricity consumption shown.

Whilst New South Wales households consumed more reticulated energy than those in the Northern Territory, Western Australia or Queensland, on average they spent less than any other State to obtain this reticulated energy (\$512) whilst Northern Territory households spent significantly more on average than households in any other State (\$765). These averages reflect, in part, the higher cost of electricity generation in the Northern Territory prior to 1987 while in several States, including New South Wales, the State government provided some form of subsidisation and tariff control to limit the effect of relatively higher distribution costs on non-metropolitan consumers (see Yearbook No. 71, Chapter 17 — State entries on reticulated energy).

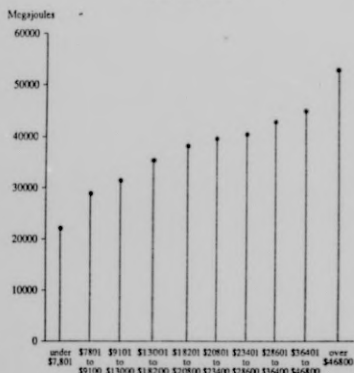
AVERAGE ANNUAL EXPENDITURE (a) ON RETICULATED ENERGY, 1985-86.
(Refer Table 1)



(a) Average expenditure on reticulated energy by ALL households.

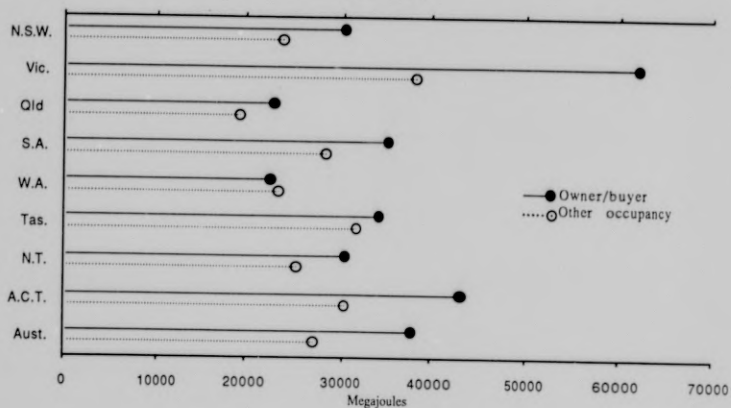
Reticulated energy is obviously an integral component in the lives of the majority of Australians with an estimated 99.6 per cent of households in private dwellings using reticulated electricity (refer to ABS publication 8212.0). Generally there appears to be a minimum amount of energy required for day to day living. In consequence, the proportion of household income spent on reticulated energy is relatively higher for the lower income groups. Households with an income of less than \$7,801 on average spent \$370, that is 6.2 per cent of their income on reticulated energy. The largest expenditure for this income range was in the Australian Capital Territory where the average was \$427 or 7.1 per cent of the mean household income. Over 28 per cent of households earning \$46,801 or more spent in excess of \$900 on reticulated energy in 1985-86, with the average being \$783. Although this average expenditure on reticulated energy is greater than double that of the lower income earners, it only represents about 1.5 per cent of their mean household income.

RETICULATED ENERGY USAGE BY ANNUAL INCOME, AUSTRALIA, 1985-86
(Refer to Table 4)



On average, households living in dwellings which they own or are buying consume more reticulated energy than households not owning their own homes. Results from this survey indicate that households owning their own homes on average use more appliances, earn more income and have larger houses than those renting, and therefore this higher consumption is not surprising.

AVERAGE RETICULATED ENERGY CONSUMPTION BY NATURE OF OCCUPANCY, 1985-86.
(Refer Table 3)



EXPLANATORY NOTES

Introduction

Over the twelve month period from June 1985 to June 1986 the Australian Bureau of Statistics conducted a national energy survey of households in private dwellings. Previous surveys were conducted in November 1980 and June 1983 although annual reticulated energy data were not collected during the November 1980 survey.

2. This publication presents the second release of data collected in the 1985-86 national energy survey of households. It contains details on annual usage of reticulated energy (i.e. electricity and gas) by households, both quantity consumed and expenditure.

3. On 3 June 1987, the publication *National Energy Survey: Household Appliances, Facilities and Insulation, Australia, 1985-86* (8212.0) was released and contains estimates on appliance holdings, types of energy used and dwelling characteristics.

4. A further publication containing estimates on the weekly usage of major appliances and weekly consumption of reticulated energy by season will be released. In addition to the publications, a Unit Record File (on magnetic tape) containing confidentialised household responses similar to that available from the 1982-83 survey will be released.

5. In some cases information is available which has not been published. Generally a charge is made for providing unpublished information. Further assistance can be obtained from the contact points shown against PHONE INQUIRIES at the top of the contents page.

Scope and coverage

6. This survey was based on a multi-stage area sample of private dwellings. Excluded were certain types of dwellings such as non-private dwellings (hospitals, hotels, motels, etc.), caravan parks and dwellings occupied by more than one household. Also excluded were the households of foreign diplomatic personnel or members of non-Australian defence forces stationed in Australia.

7. Households without reticulated electricity or which charged more than one third of their domestic electricity bill to a business were classified as outside the scope of this publication. In consequence, the estimates in this publication relate to approximately 136,500 households less than the estimates in publication 8212.0. See also the Technical Note, paragraphs 11 and 12, on expansion factors.

Data collection

8. Households were approached by specially trained interviewers. The requisite information and permission to approach energy supply authorities were sought from the head of the household (or another adult member). The information about consumption of reticulated gas and electricity by the household for the most recent 12 month period was then obtained from the relevant supply authorities.

Households using both gas and electricity

9. Within tables relating to a particular energy source i.e. gas or electricity, a household can only be classified to one cell. The same household can, however, be classified to a different cell in tables relating to the other energy source. For instance, a household that has an electric wall oven but reticulated gas cooktop, hot water service and main heating would be classified to 'cooking only' in Table 7 on electric facilities; that same household would, however, be classified to 'cooking, main heating and hot water' in Table 8 for reticulated gas facilities.

Definitions

10. A *household* is the group of persons who are the usual residents of a dwelling and who have some common provision for food and other housekeeping arrangements. Persons living in the same dwelling but having separate catering arrangements constitute separate households.

11. A *single household* occurs when only one household is usually resident in a private dwelling. Where more than one household usually resides in a dwelling, for example, a family unit and a lodger or two family units with separate catering arrangements, such dwellings were excluded.

12. *Reticulated (or mains) gas* is gas piped to several dwellings by a supply authority. There was no reticulated gas available in the Northern Territory.

13. *Off-peak tariff electricity usage* was recorded separately for those households for which a full 12 months data was obtained. Where less than 12 months data was obtained from the relevant supply authority, the off-peak data was subsumed into the normal tariff data for that household. In consequence, the estimated number of households using an off-peak tariff is understated, however estimates of average off-peak tariff consumption and expenditure are unaffected by this. Estimates of average normal tariff consumption and expenditure will be marginally affected.

14. *Standing charges* for reading meters and billings, where charged by a supply authority (electricity or gas), have been added into the expenditure data for the normal tariff usage.

15. *Annual consumption* refers to the total quantity (in megajoules) of reticulated gas and/or electricity consumed, regardless of tariff, for a continuous 12 month period, as provided to the ABS by the relevant supply authorities.

16. *Annual expenditure* on reticulated gas and electricity for the twelve month period was also provided by the relevant supply authorities. This value is the *cost*, including all standard fees such as standing charges, *prior to rebates* such as pensioner or staff discounts.

17. *Annual income* is the total weekly income from all sources (before tax or anything else was taken out) of all usual residents who regularly contributed to the payment of household bills. It excluded the income of persons who paid board or whose contributions were not regular. As a respondent only identified the *range* in which the income fell at the time of interview, the estimates are only an indication of gross household income.

18. *Reticulated energy* data have been derived by adding the annual consumption (or expenditure) data for reticulated electricity and gas (where applicable) by a household. For households with no reticulated gas, it is therefore identical to the electricity data. Note that, relative to electricity, more megajoules of gas are required to obtain the same NETT heat output because of combustion losses. No amendment was made to the gas consumption data to take account of this.

19. *Averages* have been separately derived for each category in a table by dividing the total estimated consumption or expenditure within the category by the estimated number of households in that category.

20. *Household composition* is the number of *children* (persons aged less than 15 years) and *adults* (persons aged 15 years and over) usually resident in the household.

21. *Number of rooms* was derived by assuming one room for the kitchen and adding the number of lounge and dining rooms; bedrooms; bathrooms; family and rumpus rooms; study and hobby rooms reported by the respondent.

22. *Cooking facilities* are the major cooking appliances such as electric hotplates, gas rings or burners and conventional ovens. Excluded are microwave ovens (whether or not they can be used as conventional ovens), toaster ovens, vertical grills, electric frypans and barbecues.

23. *Main heating* refers to the form of heating the respondent said was used most often. It includes reverse cycle air-conditioning units, central ducted heating, in-floor and above floor grids, and fixed and portable heaters. Excluded are systems shared by a number of households, for instance, a central heating unit in a block of flats which supplied several flats in the block.

24. *Hot water systems* comprise non-shared systems utilising reticulated energy. This includes systems primarily using solar energy or other fuels but boosted by reticulated gas or electricity. *Shared systems* servicing a number of dwellings are excluded as their energy source was not determined.

25. *Metropolitan areas/State capital cities* comprise that area defined for the 1981 Population Census as the Capital City Statistical Division in each State. For the purposes of this publication, the Northern Territory and the Australian Capital Territory are classified as non-metropolitan.

Unit of measurement

26. For this survey, energy consumption data have been expressed in megajoules (MJ) where 1 MJ = 1 million joules. The joule is regarded as the basic unit for energy consumption measurement since it describes the *energy potential* of an energy source or fuel. It can be applied to a variety of energy sources as an absolute measure and for comparing different energy sources. The joule is internationally recognised, and is promoted by the Systeme International d'Unites.

27. All electricity consumption data have been converted at the rate 1 kilowatt hour = 3.6 megajoules.

28. The gross energy potential of reticulated gas is dependent, among other things, on the chemical composition and supply pressure of the gas. Conversion factors obtained from the supply authorities were therefore applied to ensure comparable data in megajoules.

Reliability of estimates

29. Since the estimates are based on a sample they are subject to *sampling variability*. In this publication:

- estimates *preceded* by the symbol (*) have a relative standard error of between 25 and 40 per cent and, as there is about one chance in three that the true figure is at least 25 per cent larger or smaller, care should be exercised in using them;
- estimates *replaced* by the symbol (*) have a relative standard error greater than 40 per cent and, although these estimates can in some cases be derived by subtraction, they should not be regarded as reliable.

See the Technical Note, paragraphs 13 to 22 for further information on this topic.

30. *Non-sample error*. Inaccuracies may occur because of imperfections in reporting by respondents and interviewers, and errors made during the coding and processing of data. These inaccuracies may occur in any enumeration, whether it be a full count or only a sample. It is not possible to quantify these non-sample errors, but every effort is made to minimise them by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

Comparability between publications from this survey

31. Differences occur between the estimates of numbers of households in this publication and the previously released publication, *National Energy Survey: Household Appliances, Facilities and Insulation, Australia, 1985-86* (8212.0). These are due to a number of factors, principally the loss of approximately 17 per cent of the fully responding sample from whom annual data was not sought because they had resided in their current dwelling for less than twelve months.

32. Certain categories within tables are more affected than others because of the inherent characteristics of this more "mobile" section of the population. Some categories which appear to have been significantly affected are:

- households not owning/buying the dwelling;
- single parent families;
- dwellings with less than 5 rooms; and
- households in mobile/improvised dwellings.

33. Other influences are the remaining coverage exclusions (see Technical Note, paragraph 12) and the 136,500 out-of-scope households identified in paragraph 7 above.

Comparability between surveys

34. Due to changes in the scope for the annual reticulated energy usage phase and improvements made to the collection and estimation methodology in this survey (see Technical Note, paragraphs 10 to 12), estimates of 'households' are *NOT* directly comparable with those of earlier surveys. Users should take into account whether any variation from one survey to the next is *statistically significant* or simply the result of collecting the information from different households in each survey (see Technical Note, paragraph 22).

35. Throughout this publication data have been provided on *reticulated energy* usage. These data are not directly comparable with the total (or average) for electricity as used in the 1982-83 survey since that item takes no account of reticulated gas usage.

Symbols and other usages

MJ megajoules, i.e. 10⁶ joules

n.a. not asked/or not applicable

- subject to high sampling variability (see paragraph 29 above).

36. As figures have been rounded, discrepancies may occur between sums of the component items and totals.

Related publications

37. Other ABS publications which may be of interest include:

National Energy Survey: Household Appliances, Facilities and Insulation, Australia, 1985-86 (8212.0)

National Energy Survey: Household Energy Consumption, Australia, 1982-83 (8213.0)

National Energy Survey: 1982-83 Sample File on Magnetic Tape (8215.0)

New South Wales Energy Survey: Part 1 — Household Appliances, Facilities, Insulation and Appliance Acquisition, October 1984 (8211.1)

New South Wales Energy Survey, October 1984: Part 2 — Household Energy Consumption (8212.1)

New South Wales Energy Survey, October 1984: Sample File on Magnetic Tape (8215.1)

Domestic Firewood and Coal Usage, Tasmania, 1985 (8204.6)

38. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days.

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TELESTATS. This service provides foreign trade statistics tailored to users' requirements.

Further information is available on (062) 52 5404.

39. My thanks are tendered to the persons in the selected households who participated in the survey and to the energy supply authorities throughout Australia which provided data relating to household energy consumption.

TABLE 1. SUMMARY — RETICULATED ELECTRICITY AND GAS: AVERAGE ANNUAL CONSUMPTION AND EXPENDITURE BY STATE/TERRITORY AND STATE CAPITAL CITIES, 1985-86

	Households with reticulated gas				Households without reticulated gas			Total households				
	Reticulated electricity			Total reticulated energy (b)	Reticulated electricity			Reticulated electricity			Total reticulated energy (b)	
	Reticulated gas	Off-peak tariff(a)	Normal tariff		Off-peak tariff(a)	Normal tariff	Total	Off-peak tariff(a)	Normal tariff	Total		
SINGLE HOUSEHOLDS IN PRIVATE DWELLINGS ('000)												
New South Wales	397.9	97.8	397.9	397.9	397.9	678.5	1,291.0	1,293.0	776.3	1,690.9	1,690.9	1,690.9
Sydney	327.5	78.2	327.5	327.5	327.5	337.8	782.0	782.0	416.0	1,109.4	1,109.4	1,109.4
Victoria	879.9	258.7	879.9	879.9	879.9	287.6	401.9	401.9	546.3	1,281.8	1,281.8	1,281.8
Melbourne	753.3	222.8	753.3	753.3	753.3	114.0	176.9	176.9	336.8	930.1	930.1	930.1
Queensland	86.2	22.2	86.2	86.2	86.2	222.5	688.5	688.5	244.7	774.7	774.7	774.7
Brisbane	77.3	21.6	77.3	77.3	77.3	148.2	302.2	302.2	169.9	379.5	379.5	379.5
South Australia	223.7	29.3	223.7	223.7	223.7	189.0	241.2	241.2	218.3	464.9	464.9	464.9
Adelaide	214.6	27.2	214.6	214.6	214.6	109.5	133.4	133.4	136.7	347.9	347.9	347.9
Western Australia	159.4	n.a.	159.4	n.a.	159.4	*	289.1	289.1	*	448.4	448.4	448.4
Perth	151.2	n.a.	151.2	n.a.	151.2	*	190.8	190.8	*	344.0	344.0	344.0
Tasmania	*1.8	*	*1.8	*1.8	*1.8	35.0	140.5	140.5	35.4	142.3	142.3	142.3
Hobart	n.a.	n.a.	n.a.	n.a.	n.a.	16.0	59.9	59.9	16.0	59.9	59.9	59.9
Northern Territory	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	26.2	26.2	n.a.	26.2	26.2	26.2
Australian Capital Territory	5.6	n.a.	5.6	5.6	5.6	*	72.8	72.8	*	78.4	78.4	78.4
Australia	1,754.5	408.4	1,754.5	1,754.5	1,754.5	1,413.7	3,153.2	3,153.2	1,822.1	4,907.6	4,907.6	4,907.6
AVERAGE ANNUAL CONSUMPTION (MJ)												
New South Wales	17,900	14,200	15,200	16,700	36,600	13,300	20,100	27,100	13,300	19,000	25,100	29,300
Sydney	17,300	14,500	15,500	19,000	36,300	14,000	21,600	27,600	14,100	19,800	25,000	30,200
Victoria	55,300	14,300	13,200	17,400	72,600	15,600	17,800	29,000	15,000	14,600	21,000	59,000
Melbourne	56,700	14,400	13,500	17,800	74,500	15,800	18,500	28,700	14,900	14,400	19,800	65,800
Queensland	11,000	9,800	11,100	13,600	24,600	10,200	19,300	22,600	10,200	18,300	21,600	22,800
Brisbane	11,000	9,800	10,800	13,600	24,500	10,800	18,500	23,800	10,700	17,000	21,700	24,000
South Australia	27,300	11,300	13,400	14,900	42,200	12,600	18,100	27,500	11,900	15,900	21,400	34,600
Adelaide	27,400	11,400	13,400	14,800	42,300	12,700	18,600	28,600	12,000	15,800	20,100	37,000
Western Australia	17,800	n.a.	13,200	13,200	31,000	*	18,900	18,900	*	16,900	16,900	23,200
Perth	17,600	n.a.	13,400	13,400	31,000	*	18,900	18,900	*	16,500	16,500	24,300
Tasmania	6,500	*	19,000	24,400	30,900	17,800	29,800	34,700	17,900	29,700	34,100	34,200
Hobart	n.a.	n.a.	n.a.	n.a.	n.a.	16,900	29,900	34,400	16,900	29,900	34,400	34,400
Northern Territory	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	28,500	28,500	n.a.	28,500	28,500	28,500
Australian Capital Territory	35,800	n.a.	27,800	27,800	63,600	*	39,200	39,300	*	38,400	38,500	41,000
Australia	37,500	13,800	13,600	16,800	54,400	13,200	20,300	26,200	13,300	17,900	22,900	36,300
AVERAGE ANNUAL EXPENDITURE (\$)												
New South Wales	173	139	318	352	525	141	434	508	141	407	471	512
Sydney	164	138	323	356	520	136	441	502	137	407	459	507
Victoria	347	114	343	377	724	125	449	536	120	376	427	665
Melbourne	354	116	351	385	739	127	455	547	119	373	416	702
Queensland	154	138	314	350	504	141	481	577	141	403	507	524
Brisbane	154	137	309	347	501	131	458	542	140	401	502	534
South Australia	218	142	335	353	572	150	447	565	149	393	463	568
Adelaide	218	142	335	353	570	153	451	582	151	382	441	575
Western Australia	194	n.a.	376	376	570	*	497	497	*	454	454	523
Perth	192	n.a.	379	379	572	*	514	515	*	454	454	540
Tasmania	128	*	360	394	522	135	503	537	135	502	535	537
Hobart	n.a.	n.a.	n.a.	n.a.	n.a.	129	504	538	129	504	538	538
Northern Territory	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	765	765	n.a.	765	765	765
Australian Capital Territory	308	n.a.	488	488	795	*	615	616	*	606	607	629
Australia	267	124	338	367	635	139	463	525	136	418	469	564

(a) Refer to paragraph 13 of the Explanatory Notes on understatement of estimates of household numbers. (b) For the definition of reticulated energy, refer to paragraph 18 of the Explanatory Notes.

TABLE 2. RETICULATED ELECTRICITY AND GAS: AVERAGE ANNUAL CONSUMPTION BY TYPE OF DWELLING BY STATE/TERRITORY, 1985-86

	Households with reticulated gas			Households without reticulated gas		Total households		
	Average consumption of		Number ('000)	Average consumption of electricity (MJ's)	Number ('000)	Average consumption of reticulated energy (MJ's)	Number ('000)	
	Gas (MJ's)	Electricity (MJ's)						
NEW SOUTH WALES								
Separate house	19,800	20,800	292.3	29,600	1,021.6	32,100	1,313.9	
Townhouse, villa, etc. (a)	14,300	17,100	39.4	21,700	48.5	26,100	87.9	
Low rise, 2 or 3 storeys	11,300	10,900	48.2	17,300	181.0	18,100	229.2	
High rise, 4 or more storeys	11,600	9,100	16.6	14,300	39.8	16,200	56.4	
Total households (b)	17,900	18,700	397.9	27,100	1,293.0	29,300	1,690.9	
VICTORIA								
Separate house	60,800	18,700	742.6	31,400	320.3	65,000	1,062.9	
Townhouse, villa, etc. (a)	35,300	11,500	66.8	22,400	31.4	39,000	98.2	
Low rise, 2 or 3 storeys	15,200	8,500	67.4	17,400	36.3	21,500	103.7	
High rise, 4 or more storeys	*	*	*	19,100	11.4	18,800	12.1	
Total households (b)	55,300	17,400	879.9	29,000	401.9	59,000	1,281.8	
QUEENSLAND								
Separate house	12,000	14,700	67.7	23,500	608.2	23,800	675.9	
Townhouse, villa, etc. (a)	12,100	13,600	*5.1	17,400	15.5	19,400	20.6	
Low rise, 2 or 3 storeys	5,400	7,700	12.9	14,200	53.2	14,000	66.1	
High rise, 4 or more storeys	*	*	*	21,800	9.8	21,900	10.4	
Total households (b)	11,000	13,600	86.2	22,600	688.5	22,800	774.7	
SOUTH AUSTRALIA								
Separate house	29,900	16,700	171.6	28,500	212.2	36,600	383.8	
Townhouse, villa, etc. (a)	20,200	8,700	39.4	21,500	22.0	26,300	61.3	
Low rise, 2 or 3 storeys	12,900	8,100	11.9	15,800	6.2	19,200	18.1	
Total households (b)(c)	27,300	14,900	223.7	27,500	241.2	34,600	464.9	
WESTERN AUSTRALIA								
Separate house	18,200	14,100	129.5	19,800	245.5	24,100	375.0	
Townhouse, villa, etc. (a)	14,600	11,000	15.5	14,300	31.5	18,000	47.0	
Low rise, 2 or 3 storeys	19,200	8,000	12.4	10,200	9.9	19,700	22.3	
High rise, 4 or more storeys	4,300	5,800	*1.9	*	*	16,800	*3.5	
Total households (b)	17,800	13,200	159.4	18,900	289.1	23,200	448.4	
TASMANIA								
Separate house	*	*	*	35,200	125.5	35,200	127.1	
Townhouse, villa, etc. (a)	*	*	*	27,700	8.0	27,700	8.2	
Low rise, 2 or 3 storeys	*	*	*	24,700	5.1	24,700	5.1	
Total households (b)(c)	6,500	24,400	*1.8	34,300	140.5	34,200	142.3	
NORTHERN TERRITORY								
Separate house	n.a.	n.a.	n.a.	30,600	20.2	30,600	20.2	
Townhouse, villa, etc. (a)	n.a.	n.a.	n.a.	19,800	*2.4	19,800	*2.4	
Low rise, 2 or 3 storeys	n.a.	n.a.	n.a.	22,100	*3.6	22,100	*3.6	
Total households (b)(c)	n.a.	n.a.	n.a.	28,500	26.2	28,500	26.2	
AUSTRALIAN CAPITAL TERRITORY								
Separate house	35,800	27,800	5.6	40,800	64.6	42,600	70.2	
Townhouse, villa, etc. (a)	*	*	*	35,600	4.4	35,600	4.4	
Low rise, 2 or 3 storeys	*	*	*	17,700	*3.7	17,700	*3.7	
Total households (b)(c)	35,800	27,800	5.6	39,300	72.8	41,000	78.4	
AUSTRALIA								
Separate house	42,100	18,400	1,411.0	27,900	2,618.2	39,300	4,029.1	
Townhouse, villa, etc. (a)	24,100	12,200	166.3	20,600	163.8	28,500	330.0	
Low rise, 2 or 3 storeys	13,300	8,800	152.8	16,700	298.9	18,500	451.7	
High rise, 4 or more storeys	10,900	8,700	19.8	16,600	63.8	17,300	83.6	
Mobile/improvised dwellings	*	*	*	*	*	*	*	
Combined shop, etc. and dwelling	32,400	15,400	*4.6	23,600	*6.0	34,200	10.6	
Total households	37,500	16,800	1,754.5	26,200	3,153.2	36,300	4,907.1	

(a) Comprises terrace houses, single storey flats, duplexes and other semi-detached dwellings. (b) Includes mobile/improvised dwellings and shop/dwelling combinations. (c) Also includes high rise units/flats of 4 or more storeys.

TABLE 3. RETICULATED ELECTRICITY AND GAS: AVERAGE ANNUAL CONSUMPTION BY NATURE OF OCCUPANCY BY STATE/TERRITORY AND STATE CAPITAL CITIES, 1985-86

	Households with reticulated gas			Households without reticulated gas		Total households	
	Average consumption of		Number ('000)	Average consumption of electricity (MJ's)		Average consumption of reticulated energy (MJ's)	Number ('000)
	Gas (MJ's)	Electricity (MJ's)		consumption of electricity (MJ's)	Number ('000)		
OWNER/BUYER OCCUPANCY							
New South Wales	18,500	20,200	302.4	28,400	1,025.3	30,700	1,327.7
Sydney	17,900	20,600	247.1	29,400	613.0	32,000	860.1
Victoria	58,300	18,100	756.7	30,200	315.7	62,800	1,072.4
Melbourne	60,200	18,600	648.1	31,600	127.7	71,000	775.8
Queensland	10,800	14,900	64.2	23,300	558.1	23,500	622.3
Brisbane	10,700	14,700	57.1	24,500	253.8	24,700	310.9
South Australia	28,700	16,100	174.3	28,300	200.4	36,000	374.7
Adelaide	28,900	16,000	169.6	29,400	113.6	38,700	283.3
Western Australia	17,400	14,300	117.6	18,700	231.9	23,000	349.5
Perth	17,200	14,400	113.5	19,300	163.5	24,400	277.0
Tasmania	6,800	23,900	*1.6	34,800	111.0	34,800	112.6
Hobart	n.a.	n.a.	n.a.	35,500	47.7	35,500	47.7
Northern Territory	n.a.	n.a.	n.a.	30,600	14.7	30,600	14.7
Australian Capital Territory	37,200	27,500	5.2	41,500	58.3	43,400	63.5
Australia	40,600	17,900	1,422.0	27,200	2,515.3	38,500	3,937.3
OTHER OCCUPANCY							
New South Wales	16,000	13,800	95.5	22,200	267.7	24,200	363.2
Sydney	15,600	13,900	80.3	21,200	169.0	23,800	249.3
Victoria	36,500	12,700	123.2	24,400	86.2	39,000	209.4
Melbourne	35,600	12,700	105.1	21,200	49.1	39,300	154.3
Queensland	11,500	9,900	22.0	19,500	130.5	19,800	152.5
Brisbane	11,900	10,300	20.2	20,200	48.4	20,800	68.6
South Australia	22,300	10,400	49.4	23,700	40.8	28,600	90.2
Adelaide	22,000	10,300	44.9	23,800	19.7	29,700	64.7
Western Australia	18,800	10,200	41.7	20,000	57.2	23,800	98.9
Perth	18,800	10,300	39.8	17,200	27.3	24,200	67.1
Tasmania	*	*	*	32,000	29.5	32,000	29.7
Hobart	n.a.	n.a.	n.a.	30,400	12.2	30,400	12.2
Northern Territory	n.a.	n.a.	n.a.	25,800	11.5	25,800	11.5
Australian Capital Territory	*	*	*	30,200	14.5	30,800	14.9
Australia	24,600	12,200	332.5	22,500	637.9	27,400	970.4
TOTAL							
New South Wales	17,900	18,700	397.9	27,100	1,293.0	29,300	1,690.9
Sydney	17,300	19,000	327.5	27,600	782.0	30,200	1,109.4
Victoria	55,300	17,400	879.9	29,000	401.9	59,000	1,281.8
Melbourne	56,700	17,800	753.3	28,700	176.9	65,800	930.1
Queensland	11,000	13,600	86.2	22,600	688.5	22,800	774.7
Brisbane	11,000	13,600	77.3	23,800	302.2	24,000	379.5
South Australia	27,300	14,900	223.7	27,500	241.2	34,600	464.9
Adelaide	27,400	14,800	214.6	28,600	133.4	37,000	347.9
Western Australia	17,800	13,200	159.4	18,900	289.1	23,200	448.4
Perth	17,600	13,400	153.2	19,000	190.8	24,300	344.0
Tasmania	6,500	24,400	*1.8	34,300	140.5	34,200	142.3
Hobart	n.a.	n.a.	n.a.	34,400	59.9	34,400	59.9
Northern Territory	n.a.	n.a.	n.a.	28,500	26.2	28,500	26.2
Australian Capital Territory	35,800	27,800	5.6	39,300	72.8	41,000	78.4
Australia	37,500	16,800	1,754.5	26,200	3,153.2	36,300	4,907.6

TABLE 4. RETICULATED ELECTRICITY AND GAS: AVERAGE ANNUAL CONSUMPTION AND EXPENDITURE BY ANNUAL INCOME(a) BY STATE/TERRITORY, 1985-86

Household income(a)	Households with reticulated gas					Households without reticulated gas					Total households				
	Gas		Electricity		Number ('000)	Electricity		Number ('000)			Reticulated energy		Number ('000)		
	MJ	\$	MJ	\$		MJ	\$				MJ	\$			
NEW SOUTH WALES															
Under \$7,801	11,800	129	11,100	219	57.6	17,600	352	174.5	18,900	351	232.1				
\$ 7,801 to \$ 9,100	15,600	159	14,500	278	33.6	21,200	409	114.6	23,300	415	148.2				
\$ 9,101 to \$13,000	18,300	185	16,500	319	34.0	24,100	468	119.1	26,500	476	153.1				
\$13,001 to \$18,200	18,300	178	17,600	329	54.4	27,100	513	173.0	29,200	512	227.4				
\$18,201 to \$20,800	17,400	180	19,400	377	23.6	27,800	511	90.4	29,600	521	114.0				
\$20,801 to \$23,400	20,200	183	20,200	330	30.1	29,100	548	90.0	31,300	539	120.0				
\$23,401 to \$28,600	22,000	198	20,500	383	37.6	28,900	528	148.4	31,700	539	186.0				
\$28,601 to \$36,400	18,400	174	22,100	405	44.1	30,700	559	154.5	32,900	563	198.5				
\$36,401 to \$46,800	18,500	177	25,800	472	34.8	31,800	586	111.5	34,800	601	146.2				
\$46,801 and over	21,700	203	25,300	478	40.3	38,100	699	85.0	41,000	693	125.4				
Not stated	14,600	139	17,800	319	*7.9	31,600	592	32.0	31,700	565	39.9				
VICTORIA															
Under \$ 7,801	32,400	233	10,600	235	108.4	17,000	333	66.1	33,100	417	174.5				
\$ 7,801 to \$ 9,100	42,600	285	13,600	301	71.6	22,600	434	34.6	45,200	536	106.2				
\$ 9,101 to \$13,000	47,600	306	14,700	322	74.3	27,700	504	50.4	48,400	578	124.7				
\$13,001 to \$18,200	52,700	336	15,600	342	123.5	30,800	564	64.4	55,200	639	187.9				
\$18,201 to \$20,800	58,500	359	17,600	378	72.4	30,300	557	35.1	61,200	679	107.6				
\$20,801 to \$23,400	58,600	358	18,200	395	66.3	30,600	569	20.5	65,800	710	86.8				
\$23,401 to \$28,600	60,400	374	18,300	405	107.4	33,200	611	33.9	67,800	739	141.4				
\$28,601 to \$36,400	66,900	406	19,100	420	103.5	33,400	611	39.3	71,500	767	142.8				
\$36,401 to \$46,800	63,700	390	22,800	473	83.3	38,500	676	27.6	74,600	817	110.8				
\$46,801 and over	76,800	457	26,600	560	65.1	41,900	787	22.8	87,400	895	87.9				
Not stated	47,100	301	23,500	478	*4.2	36,900	687	*7.2	49,300	721	11.3				
QUEENSLAND															
Under \$7,801	6,600	109	8,300	240	15.8	13,600	348	100.8	13,800	348	116.7				
\$ 7,801 to \$ 9,100	9,900	149	12,900	330	*5.5	17,800	436	54.5	18,300	440	60.1				
\$ 9,101 to \$13,000	13,100	168	14,300	370	8.2	20,400	491	81.5	21,000	496	89.7				
\$13,001 to \$18,200	11,100	155	13,700	345	16.8	22,100	519	97.6	22,500	516	114.3				
\$18,201 to \$20,800	12,100	171	13,600	352	*6.3	23,600	547	55.8	23,800	544	62.0				
\$20,801 to \$23,400	12,000	163	11,200	316	*4.2	24,000	552	40.5	23,900	545	44.7				
\$23,401 to \$28,600	13,300	182	16,300	401	7.5	24,600	564	80.2	25,000	566	87.6				
\$28,601 to \$36,400	11,000	158	14,900	378	11.6	27,700	627	72.2	27,500	615	83.7				
\$36,401 to \$46,800	10,900	148	17,900	461	*4.1	27,200	616	51.6	27,300	615	55.8				
\$46,801 and over	18,200	227	20,100	486	*4.9	33,500	743	37.0	34,000	740	41.9				
Not stated	*	*	*	*	*	28,100	628	16.9	27,800	619	18.2				
SOUTH AUSTRALIA															
Under \$7,801	17,500	153	8,600	193	38.3	18,400	374	35.2	22,400	360	73.5				
\$ 7,801 to \$ 9,100	22,300	186	12,100	274	20.1	22,400	453	27.4	27,500	456	47.4				
\$ 9,101 to \$13,000	24,500	200	13,000	305	23.6	25,500	516	22.5	31,400	511	46.0				
\$13,001 to \$18,200	29,800	234	14,000	344	31.1	27,000	555	38.2	34,500	565	69.2				
\$18,201 to \$20,800	28,700	232	14,700	366	15.1	29,200	600	19.8	35,400	599	34.8				
\$20,801 to \$23,400	29,700	238	17,600	423	12.4	28,900	605	14.8	37,300	631	27.2				
\$23,401 to \$28,600	30,200	238	16,500	396	26.4	31,500	644	23.6	39,500	638	50.0				
\$28,601 to \$36,400	32,600	253	18,700	448	24.8	33,100	672	24.5	42,200	686	49.3				
\$36,401 to \$46,800	29,600	236	22,000	519	15.8	33,600	694	13.9	43,200	727	29.7				
\$46,801 and over	41,300	295	22,000	516	11.7	36,600	763	15.8	48,000	784	27.5				
Not stated	29,000	240	16,400	387	4.4	31,100	651	5.7	37,300	640	10.2				
WESTERN AUSTRALIA															
Under \$7,801	12,400	139	7,000	226	24.4	11,600	337	42.7	14,400	348	67.1				
\$ 7,801 to \$ 9,100	15,800	173	10,400	309	15.0	15,200	424	22.7	19,600	447	37.7				
\$ 9,101 to \$13,000	22,500	245	14,000	395	15.0	16,100	445	30.0	22,900	510	45.1				
\$13,001 to \$18,200	17,300	183	13,300	377	20.0	17,700	482	42.3	21,800	507	62.4				
\$18,201 to \$20,800	16,600	181	15,100	421	9.7	19,500	527	19.7	23,500	552	29.4				
\$20,801 to \$23,400	18,100	187	11,000	323	7.6	21,100	535	20.4	23,300	528	28.0				
\$23,401 to \$28,600	16,800	179	14,600	408	22.0	20,700	528	33.7	24,900	551	55.6				
\$28,601 to \$36,400	21,100	217	14,000	396	15.9	22,500	559	30.2	26,900	577	46.0				
\$36,401 to \$46,800	18,900	198	17,200	471	13.3	24,000	587	27.0	27,900	614	40.2				
\$46,801 and over	22,500	277	18,700	506	13.4	30,200	751	14.8	35,400	766	28.2				
Not stated	16,800	230	16,800	463	*3.2	20,200	543	5.6	25,000	597	8.8				

For footnotes see end of table

TABLE 4. RETICULATED ELECTRICITY AND GAS: AVERAGE ANNUAL CONSUMPTION AND EXPENDITURE BY ANNUAL INCOME(a) BY STATE/TERRITORY, 1985-86—continued

Household income(a)	Households with reticulated gas					Households without reticulated gas					Total households				
	Gas		Electricity		Number ('000)	Electricity		Number ('000)			Reticulated energy		Number ('000)		
	MJ	\$	MJ	\$		MJ	\$				MJ	\$			
TASMANIA															
Under \$7,801	*	*	*	*	*	25,100	392	25.5	25,100	393	25.9				
\$ 7,801 to \$ 9,100	*	*	*	*	*	29,300	448	12.6	29,300	448	12.7				
\$ 9,101 to \$13,000	*	*	*	*	*	31,100	503	17.2	31,100	504	17.4				
\$13,001 to \$18,200	*	*	*	*	*	34,000	543	22.6	33,800	540	22.8				
\$18,201 to \$20,800	*	*	*	*	*	36,300	577	12.0	36,300	577	12.0				
\$20,801 to \$23,400	*	*	*	*	*	37,600	589	9.3	37,600	589	9.3				
\$23,401 to \$28,600	*	*	*	*	*	38,500	598	14.4	38,500	598	14.4				
\$28,601 to \$36,400	*	*	*	*	*	41,400	650	12.4	41,700	652	12.8				
\$36,401 to \$46,800	*	*	*	*	*	46,100	693	6.8	44,800	678	7.2				
\$46,801 and over	*	*	*	*	*	50,100	767	3.9	49,200	762	4.1				
Not stated	*	*	*	*	*	37,100	560	3.7	37,100	560	3.7				
NORTHERN TERRITORY															
Under \$7,801	n.a.	n.a.	n.a.	n.a.	n.a.	*	*	*	*	*	*	*	*	*	*
\$ 7,801 to \$ 9,100	n.a.	n.a.	n.a.	n.a.	n.a.	*	*	*	*	*	*	*	*	*	*
\$ 9,101 to \$13,000	n.a.	n.a.	n.a.	n.a.	n.a.	*	*	*	*	*	*	*	*	*	*
\$13,001 to \$18,200	n.a.	n.a.	n.a.	n.a.	n.a.	16,900	489	*2.4	16,900	489	*2.4				
\$18,201 to \$20,800	n.a.	n.a.	n.a.	n.a.	n.a.	*	*	*	*	*	*	*	*	*	*
\$20,801 to \$23,400	n.a.	n.a.	n.a.	n.a.	n.a.	26,100	711	*2.8	26,100	711	*2.8				
\$23,401 to \$28,600	n.a.	n.a.	n.a.	n.a.	n.a.	19,600	595	*3.2	19,600	595	*3.2				
\$28,601 to \$36,400	n.a.	n.a.	n.a.	n.a.	n.a.	29,900	826	6.3	29,900	826	6.3				
\$36,401 to \$46,800	n.a.	n.a.	n.a.	n.a.	n.a.	39,200	964	4.8	39,200	964	4.8				
\$46,801 and over	n.a.	n.a.	n.a.	n.a.	n.a.	24,600	705	*2.8	24,600	705	*2.8				
Not stated	n.a.	n.a.	n.a.	n.a.	n.a.	*	*	*	*	*	*	*	*	*	*
AUSTRALIAN CAPITAL TERRITORY															
Under \$7,801	*	*	*	*	*	25,900	427	5.5	25,900	427	5.5				
\$ 7,801 to \$ 9,100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
\$ 9,101 to \$13,000	*	*	*	*	*	43,300	647	*1.9	43,300	647	*1.9				
\$13,001 to \$18,200	*	*	*	*	*	35,600	558	4.5	38,900	597	5.8				
\$18,201 to \$20,800	*	*	*	*	*	33,400	555	*3.9	33,400	555	*3.9				
\$20,801 to \$23,400	*	*	*	*	*	29,900	460	*3.9	33,190	485	4.8				
\$23,401 to \$28,600	*	*	*	*	*	42,700	668	8.8	42,700	668	8.8				
\$28,601 to \$36,400	44,200	364	28,600	503	*3.5	44,800	666	13.0	44,700	662	14.3				
\$36,401 to \$46,800						41,500	667	13.8	42,900	687	14.2				
\$46,801 and over						41,200	655	14.1	46,600	686	15.8				
Not stated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AUSTRALIA															
Under \$7,801	21,500	179	9,900	224	245.0	16,600	352	451.1	21,800	370	696.1				
\$ 7,801 to \$ 9,100	29,600	225	13,200	294	145.8	20,800	426	268.0	28,500	459	413.8				
\$ 9,101 to \$13,000	33,400	250	14,800	328	155.4	23,600	484	323.4	31,500	514	478.8				
\$13,001 to \$18,200	36,400	263	15,600	343	247.2	25,900	524	445.0	35,200	553	692.2				
\$18,201 to \$20,800	41,800	288	17,200	379	127.0	27,200	543	238.2	38,300	586	365.3				
\$20,801 to \$23,400	41,800	284	17,300	375	121.4	27,800	556	202.1	39,500	595	323.5				
\$23,401 to \$28,600	42,700	295	18,000	400	200.9	28,400	560	346.1	40,300	609	547.0				
\$28,601 to \$36,400	44,800	305	19,200	417	201.5	30,700	598	352.3	42,800	643	553.8				
\$36,401 to \$46,800	44,300	301	22,800	478	152.1	31,900	622	256.9	45,000	680	409.0				
\$46,801 and over	49,900	343	24,800	523	137.3	37,200	725	196.3	52,700	783	333.6				
Not stated	23,900	203	18,500	392	21.0	30,700	609	73.5	33,300	606	94.5				

(a) Includes only the income of household members who contributed directly to the payment of household bills, refer to paragraph 17 of the Explanatory Notes.

TABLE 5. RETICULATED ENERGY: AVERAGE ANNUAL CONSUMPTION BY TYPE OF ENERGY USED BY STATE/TERRITORY AND STATE CAPITAL CITIES, 1985-86

Type of energy used	N.S.W.		Vic.		Qld		S.A.	
	Sydney	Total	Melbourne	Total	Brisbane	Total	Adelaide	Total
SINGLE HOUSEHOLDS IN PRIVATE DWELLINGS ('000)								
Electricity	1,109.4	1,690.9	930.1	1,281.8	379.5	774.7	347.9	464.9
Reticulated (mains) gas	327.5	397.9	753.3	879.9	77.3	86.2	214.6	223.7
Bottled gas	34.9	118.7	20.6	80.8	23.9	91.3	4.5	26.7
Wood/solid fuel	123.8	307.4	122.8	276.4	24.8	89.3	71.7	126.8
Oil	64.1	128.1	48.1	90.7	*3.9	16.3	35.6	57.8
Kerosene	63.9	108.9	15.6	23.6	48.3	95.2	19.6	26.9
Solar energy	40.8	74.9	*8.9	20.9	14.9	45.0	13.7	20.5
Other fuels	*	*5.5	*	*4.0	*	*	*	*
Main energy combinations—								
Electricity only	542.4	741.3	93.7	145.0	216.0	428.4	53.8	77.8
Electricity and gas only	270.6	314.8	645.1	737.1	59.3	64.4	164.4	170.9
Electricity and wood only	77.0	196.4	27.0	96.6	15.9	53.9	33.6	67.3
Electricity and oil only	50.6	94.1	24.2	42.3	*	10.1	26.4	40.2
Electricity and solar energy only	17.9	26.4	*	*	8.3	26.4	*	*2.8
Electricity, gas and wood only	22.1	35.2	76.4	102.9	*4.4	*6.0	26.5	27.4
Total	980.6	1,408.2	866.9	1,127.2	306.3	589.1	306.4	386.1
All other combinations	128.8	282.7	63.2	154.6	73.2	185.6	41.5	78.5
Total households	1,109.4	1,690.9	930.1	1,281.8	379.5	774.7	347.9	464.9
AVERAGE CONSUMPTION (MJ) (a)								
Electricity	30,200	29,300	65,800	59,000	24,000	22,800	37,000	34,600
Reticulated (mains) gas	36,300	36,600	74,500	72,600	34,600	24,600	42,200	42,200
Bottled gas	28,700	26,200	25,900	24,000	18,200	18,100	29,900	25,800
Wood/solid fuel	34,300	29,900	68,300	47,900	32,000	24,000	35,200	31,400
Oil	35,500	32,200	41,500	35,600	36,900	26,400	32,300	30,900
Kerosene	28,000	26,100	37,900	33,900	24,500	23,800	31,700	30,200
Solar energy	30,500	26,800	101,800	68,900	21,300	20,900	38,300	34,900
Other fuels	*	35,100	*	34,700	*	*	*	*
Main energy combinations—								
Electricity only	25,900	26,100	27,100	30,700	23,600	22,900	27,500	26,700
Electricity and gas only	35,900	36,400	73,200	72,200	23,700	23,700	42,300	42,300
Electricity and wood only	33,600	29,400	34,600	29,600	33,900	25,100	29,000	27,700
Electricity and oil only	35,600	32,800	29,800	29,400	*	27,600	29,900	29,600
Electricity and solar energy only	32,800	30,400	*	*	20,400	20,700	*	26,700
Electricity, gas and wood only	43,900	43,300	87,800	79,200	30,400	29,200	43,400	42,900

For footnotes see end of table

TABLE 5. RETICULATED ENERGY: AVERAGE ANNUAL CONSUMPTION BY TYPE OF ENERGY USED BY STATE/TERRITORY AND STATE CAPITAL CITIES, 1985-86—continued

Type of energy used	W.A.		Tas.		N.T.	A.C.T.	Australia
	Perth	Total	Hobart	Total			
SINGLE HOUSEHOLDS IN PRIVATE DWELLINGS ('000)							
Electricity	344.0	448.4	59.9	142.3	26.2	78.4	4,907.6
Reticulated (mains) gas	153.2	159.4	*	*1.8	*	5.6	1,754.5
Bottled gas	19.2	83.1	3.6	11.1	*2.4	4.7	418.7
Wood/solid fuel	101.6	159.5	30.6	89.2	*	20.0	1,068.6
Oil	47.0	60.8	13.1	23.6	*	17.8	395.6
Kerosene	47.4	62.1	*1.1	3.9	*	*1.9	323.0
Solar energy	96.6	118.5	0.8	*1.1	9.9	6.1	296.9
Other fuels	7.3	8.0	*	*1.0	*	*	21.0
Main energy combinations—							
Electricity only	48.3	55.5	17.0	29.4	14.3	34.1	1,525.7
Electricity and gas only	77.9	79.8	*	*	*	*3.9	1,370.8
Electricity and wood only	24.9	33.0	25.3	74.2	*	12.7	534.2
Electricity and oil only	11.7	13.7	9.4	16.2	*	10.8	227.3
Electricity and solar energy only	16.0	18.2	*	*	9.1	*1.9	88.3
Electricity, gas and wood only	25.2	28.0	*	*1.2	*	*	201.2
Total	204.1	228.3	51.7	121.0	23.4	63.8	3,947.5
All other combinations	139.9	220.1	8.2	21.3	*2.8	14.5	960.2
Total households	344.0	448.4	59.9	142.3	26.2	78.4	4,907.6
AVERAGE CONSUMPTION (MJ) (a)							
Electricity	24,300	23,200	34,400	34,200	28,500	41,000	36,300
Reticulated (mains) gas	31,000	31,000	*	30,900	*	63,600	54,400
Bottled gas	18,700	16,100	34,900	33,200	29,400	39,700	22,300
Wood/solid fuel	22,300	19,700	32,800	32,100	*	35,900	33,000
Oil	23,700	22,600	33,300	34,500	*	37,400	31,400
Kerosene	21,500	20,700	30,800	29,300	*	38,200	25,400
Solar energy	21,300	21,200	54,500	57,200	22,800	55,500	27,700
Other fuels	18,400	17,800	*	32,600	*	*	27,200
Main energy combinations—							
Electricity only	17,400	21,100	38,400	40,800	31,900	40,800	26,100
Electricity and gas only	32,700	32,700	*	*	*	61,200	55,700
Electricity and wood only	18,600	18,000	32,300	32,000	*	37,000	28,600
Electricity and oil only	25,100	25,700	33,200	34,200	*	36,100	31,200
Electricity and solar energy only	20,900	21,600	*	*	23,000	46,900	26,200
Electricity, gas and wood only	32,600	32,300	*	23,600	*	*	59,500

(a) Estimates of average consumption relate to reticulated energy, i.e. reticulated electricity plus reticulated gas (where applicable).

TABLE 6. RETICULATED ENERGY: AVERAGE ANNUAL CONSUMPTION AND EXPENDITURE BY HOUSEHOLD COMPOSITION BY STATE/TERRITORY AND STATE CAPITAL CITIES, 1985-86

	Household composition								
	One adult and Number of children			Two adults and Number of children			Three or more adults and Number of children		
	None	1 or 2	3 or more	None	1 or 2	3 or more	None	1 or 2	3 or more
SINGLE HOUSEHOLDS IN PRIVATE DWELLINGS ('000)									
New South Wales	312.8	37.1	*4.8	506.3	281.2	104.5	273.8	149.0	21.4
Sydney	223.7	29.0	*	315.1	183.1	61.3	189.4	92.7	12.6
Victoria	245.9	20.7	*6.5	350.9	223.0	69.8	217.6	127.2	20.2
Melbourne	179.9	12.8	*4.4	245.4	164.7	43.0	172.4	92.9	14.6
Queensland	149.8	13.8	*4.5	221.2	131.9	54.6	113.9	74.6	10.4
Brisbane	77.8	*5.8	*	101.2	67.8	21.0	64.1	36.7	*2.9
South Australia	83.4	8.6	*3.1	153.5	78.2	25.0	74.2	36.2	*2.7
Adelaide	62.4	6.2	*2.0	113.8	58.9	16.4	58.8	27.6	*
Western Australia	83.5	10.0	*	132.9	84.7	29.1	67.7	36.1	*3.3
Perth	64.6	9.1	*	102.7	63.6	21.0	53.7	26.9	*
Tasmania	27.7	3.1	*	40.9	29.2	9.7	17.0	11.8	2.6
Hobart(a)	12.8	2.0	*	17.5	12.6	3.0	7.0	3.7	*1.0
Northern Territory(a)	*3.2	*	*	6.3	9.1	*	*2.4	*2.4	*
Australian Capital Territory	12.8	*1.9	*	19.7	16.3	5.7	13.0	8.6	*
Australia	919.0	96.1	20.4	1,431.8	853.6	300.0	779.7	445.7	61.4
AVERAGE ANNUAL CONSUMPTION (MJ)									
New South Wales	15,900	26,900	34,200	25,100	34,200	37,400	37,100	39,800	51,500
Sydney	15,700	27,000	*	25,700	35,400	40,000	39,700	41,400	53,000
Victoria	29,900	50,600	70,700	48,300	71,200	80,200	74,500	81,800	78,000
Melbourne	31,100	58,400	81,000	54,100	79,800	100,300	81,700	91,500	86,900
Queensland	13,200	19,500	23,700	19,900	27,100	29,400	27,600	30,200	32,100
Brisbane	13,900	21,000	*	20,800	27,300	32,900	29,300	33,000	35,200
South Australia	20,400	31,000	39,700	30,400	41,400	43,100	42,100	47,700	55,800
Adelaide	21,700	35,900	45,200	32,100	44,600	47,300	45,200	50,100	*
Western Australia	13,900	22,100	*	20,300	26,800	30,500	28,300	31,300	28,400
Perth	14,700	23,200	*	20,500	28,300	33,300	30,100	33,800	*
Tasmania	22,900	31,600	*	31,200	37,500	46,600	40,500	43,000	41,300
Hobart(a)	24,400	32,400	*	31,100	37,700	50,800	43,100	42,400	43,700
Northern Territory(a)	16,300	*	*	24,600	32,400	*	27,400	41,400	*
Australian Capital Territory	29,400	41,800	*	36,300	43,800	63,800	43,100	45,500	*
Australia	19,800	31,200	44,300	30,500	43,000	46,700	46,000	50,300	55,300
AVERAGE ANNUAL EXPENDITURE (\$)									
New South Wales	299	449	598	451	588	642	628	688	829
Sydney	285	438	*	442	591	646	648	696	812
Victoria	397	544	772	572	756	846	816	909	870
Melbourne	404	563	820	604	795	948	861	950	895
Queensland	337	469	502	470	607	652	616	668	705
Brisbane	345	472	*	471	605	704	628	705	727
South Australia	348	481	578	508	659	728	686	784	839
Adelaide	351	512	598	507	671	737	705	785	*
Western Australia	342	448	*	467	585	680	628	688	666
Perth	353	459	*	468	618	712	652	741	*
Tasmania	365	479	*	491	586	695	638	690	656
Hobart(a)	386	485	*	493	585	759	666	684	682
Northern Territory(a)	537	*	*	677	841	*	700	1,072	*
Australian Capital Territory	464	602	*	538	680	894	684	732	*
Australia	345	479	624	494	645	710	685	758	808

(a) As reticulated gas was not available at the time of the survey, these averages are for reticulated electricity only.

TABLE 7. RETICULATED GAS: ANNUAL CONSUMPTION BY PURPOSE BY STATE/TERRITORY, 1985-86
(¹ 000 of single households in private dwellings)

Annual consumption of reticulated gas (MJ)	Major facilities for which reticulated gas was used								Total households
	Cooking only	Main heating only	Hot water only	Cooking and main and heating	Cooking and hot water	Main heating and hot water	Cooking, main heat- ing and hot water	None of these	
NEW SOUTH WALES									
Under 10,000	88.6	12.6	*	27.0	24.2	*	*	*	158.4
10,000 to 19,999	*5.1	*7.3	*7.2	13.2	54.6	*	*8.3	*	97.9
20,000 to 29,999	*	*5.5	*	*4.4	30.4	*	21.0	*	65.8
30,000 to 49,999	*	*	*6.2	*	19.7	*	26.1	*	59.5
50,000 to 79,999	*	*	*	*	*	*	*5.7	*	15.3
80,000 and over	*	*	*	*	*	*	*	*	*
Total households	96.1	28.2	18.5	49.8	132.3	*7.8	62.2	*	397.9
Average consumption (MJ)	5,100	15,800	25,800	14,600	19,900	41,500	31,900	*	17,900
VICTORIA									
Under 10,000	32.3	*4.4	*	11.5	7.8	*	*6.7	*	65.0
10,000 to 19,999	*5.1	17.3	*	11.6	14.1	*	*6.7	*	60.1
20,000 to 29,999	*	23.0	*	26.5	19.2	*5.9	28.1	*	107.8
30,000 to 49,999	*	32.9	*	32.7	16.7	11.0	95.5	*	191.3
50,000 to 79,999	*	34.7	*	27.6	*7.3	26.1	179.3	*	277.5
80,000 and over	*	15.9	*	*8.2	*	27.4	123.3	*	178.2
Total households	40.4	128.2	9.0	118.2	67.5	72.4	439.6	*4.6	879.9
Average consumption (MJ)	7,200	46,300	38,600	39,800	30,700	71,800	68,300	14,900	55,300
QUEENSLAND									
Under 10,000	34.4	*	*	*	10.0	*	*	*	47.3
10,000 to 19,999	*	*	*	*	20.3	*	*	*	25.2
20,000 to 29,999	*	*	*	*	7.9	*	*	*	10.0
30,000 to 49,999	*	*	*	*	*	*	*	*	*3.4
50,000 and over	*	*	*	*	*	*	*	*	*
Total households	35.3	*	*6.3	*	40.6	*	*	*	86.2
Average consumption (MJ)	4,300	*	15,700	*	15,500	*	*	*	11,000
SOUTH AUSTRALIA									
Under 10,000	13.7	*	*	*4.0	10.0	*	*2.7	*	33.8
10,000 to 19,999	*	*3.5	*	*3.4	32.1	*	12.7	*	56.5
20,000 to 29,999	*	*2.5	*3.0	*1.8	22.3	*	19.2	*	50.9
30,000 to 49,999	*	*3.1	*	*	12.4	5.5	39.1	*	61.5
50,000 to 79,999	*	*	*	*2.3	*	*	12.4	*	17.7
80,000 and over	*	*	*	*	*	*	*2.0	*	*3.3
Total households	15.2	11.7	5.5	10.6	79.5	10.6	88.1	*2.6	223.7
Average consumption (MJ)	4,800	27,400	21,600	17,000	22,400	39,200	36,100	19,000	27,300
WESTERN AUSTRALIA									
Under 10,000	17.1	9.8	*2.2	5.1	8.3	*	4.8	*	48.8
10,000 to 19,999	*	*2.6	4.7	*3.9	26.4	*	10.6	*	49.8
20,000 to 29,999	*	*	*2.3	*	17.8	*3.7	14.5	*	39.2
30,000 to 49,999	*	*	*	*	*4.2	*2.3	11.4	*	18.8
50,000 and over	*	*	*	*	*	*	*	*	*2.8
Total households	17.4	12.7	9.8	10.1	57.7	8.7	41.9	*	159.4
Average consumption (MJ)	4,000	7,400	16,800	12,400	19,100	30,200	24,000	*	17,800
AUSTRALIA									
Under 10,000	187.3	28.9	8.5	48.2	60.5	*	15.9	*5.9	355.5
10,000 to 19,999	12.0	31.5	17.4	32.5	147.7	*6.8	38.8	*3.9	290.5
20,000 to 29,999	*3.9	32.3	11.4	33.5	98.2	11.9	83.4	*	275.5
30,000 to 49,999	*	38.2	8.5	36.9	55.4	22.9	172.1	*	335.8
50,000 to 79,999	*	37.1	*	30.6	13.9	31.4	197.9	*	313.7
80,000 and over	*	16.2	*	8.7	*	27.7	125.7	*	183.4
Total households	205.6	184.2	49.2	190.4	378.7	100.9	633.8	11.8	1,754.5
Average consumption (MJ)	5,300	37,400	24,600	30,300	21,800	61,800	57,200	13,300	37,500

TABLE 8. RETICULATED ELECTRICITY: ANNUAL CONSUMPTION BY PURPOSE BY
STATE/TERRITORY, 1985-86
('000 of single households in private dwellings)

Annual consumption of reticulated electricity (MJ)	Major facilities for which electricity was used							None of these	Total households
	Cooking only	Main heating only	Hot water only	Cooking and main and heating	Cooking and hot water	Main heating and hot water	Cooking, main heat- ing and hot water		
NEW SOUTH WALES									
Under 10,000	*7.7	50.5	*8.7	11.2	15.7	*5.9	41.8	50.2	191.8
10,000 to 14,999	*7.1	28.1	11.5	*7.5	30.3	12.3	92.2	35.0	224.0
15,000 to 19,999	10.2	18.0	17.6	9.6	58.6	11.7	127.8	19.8	273.2
20,000 to 29,999	*7.7	11.6	21.0	*8.2	156.0	21.4	237.2	9.8	472.8
30,000 to 39,999	*	*	12.4	*	116.0	*7.2	165.7	*	304.2
40,000 to 59,999	*	*	*8.3	*	59.8	*5.7	112.5	*	190.3
60,000 and over	*	*	*	*	11.9	*	19.9	*	34.6
Total households	33.7	109.6	81.1	40.2	448.3	64.6	797.2	116.2	1,690.9
Average consumption (MJ)	16,500	12,000	23,900	17,400	29,200	22,900	27,600	12,000	25,100
VICTORIA									
Under 10,000	56.0	25.0	*4.5	*4.7	*	*4.9	*4.2	206.2	307.5
10,000 to 14,999	51.1	9.3	16.7	*6.3	23.4	*	10.9	118.8	239.1
15,000 to 19,999	42.1	*8.2	21.5	*	29.8	*	17.7	54.2	177.5
20,000 to 29,999	42.5	*5.3	49.5	*5.4	101.3	*	27.2	34.2	268.0
30,000 to 39,999	*8.9	*	26.4	*	85.9	*	38.4	*4.8	167.4
40,000 to 59,999	*	*	*5.4	*	43.5	*	42.7	*	99.1
60,000 and over	*	*	*	*	*7.5	*	12.6	*	23.1
Total households	204.5	47.8	124.5	23.2	293.5	14.9	155.6	419.7	1,281.8
Average consumption (MJ)	16,100	11,700	24,300	23,300	30,500	19,800	36,000	11,300	21,000
QUEENSLAND									
Under 10,000	9.8	26.0	*3.8	*4.0	19.6	*3.4	22.7	23.7	112.9
10,000 to 14,999	*4.0	11.2	*4.6	7.6	37.0	7.2	40.7	14.3	126.6
15,000 to 19,999	*	*4.1	*5.4	*	50.4	9.3	56.9	*4.6	134.5
20,000 to 29,999	*2.9	*	8.8	*3.5	102.6	11.0	119.6	*	253.4
30,000 to 39,999	*	*	*3.8	*	41.8	*3.6	49.0	*	100.5
40,000 and over	*	*	*	*	16.7	*	28.0	*	46.9
Total households	19.7	45.7	27.0	17.1	268.2	34.8	316.8	45.4	774.7
Average consumption (MJ)	12,600	11,200	20,500	14,900	23,300	19,300	24,400	10,400	21,600
SOUTH AUSTRALIA									
Under 10,000	5.1	25.7	*1.9	*1.8	*1.8	*	*3.6	48.2	88.6
10,000 to 14,999	9.1	14.9	*3.5	*2.4	6.1	*1.8	9.4	32.9	80.0
15,000 to 19,999	7.3	6.9	*3.7	*2.6	20.0	*2.4	12.7	17.5	73.0
20,000 to 29,999	*3.1	6.6	7.6	*2.5	51.6	3.2	33.9	7.3	115.8
30,000 to 39,999	*	*	*3.7	*	35.2	*2.3	26.8	*	71.1
40,000 and over	*	*	*	*	18.4	*	14.5	*	36.4
Total households	27.1	54.5	22.1	9.8	133.1	10.5	100.9	106.9	464.9
Average consumption (MJ)	17,100	12,200	23,200	16,300	28,900	22,300	28,800	11,500	21,400
WESTERN AUSTRALIA									
Under 10,000	13.2	14.2	7.3	5.0	13.8	*	16.9	49.0	120.6
10,000 to 14,999	18.4	6.3	6.4	*2.1	31.5	*2.0	13.5	36.3	116.5
15,000 to 19,999	11.6	*2.5	7.5	*4.0	26.3	*	16.3	12.4	82.1
20,000 to 29,999	8.3	*2.4	5.4	*1.7	38.8	*1.7	21.1	5.9	85.4
30,000 and over	*2.8	*	*2.8	*	23.6	*	12.0	*	43.9
Total households	54.3	26.7	29.4	13.3	134.1	6.5	79.8	104.4	448.4
Average consumption (MJ)	15,500	11,800	16,900	14,300	21,500	16,600	20,100	10,900	16,900

TABLE 8. RETICULATED ELECTRICITY: ANNUAL CONSUMPTION BY PURPOSE BY STATE/TERRITORY, 1985-86—continued
(⁰⁰⁰ of single households in private dwellings)

Major facilities for which electricity was used									
Annual consumption of reticulated electricity (MJ)	Cooking only	Main heating only	Hot water only	Cooking and main and heating	Cooking and hot water	Main heating and hot water	Cooking, main heat- ing and hot water	None of these	Total households
TASMANIA									
Under 15,000	*1.8	*	*	*	3.8	*	3.0	2.4	11.0
15,000 to 19,999	*	*	*	*	7.9	*	2.8	*	12.8
20,000 to 29,999	*	*	*0.9	*	29.8	*	9.4	*	40.9
30,000 to 39,999	*	*	*	*	29.5	*	9.8	*	40.2
40,000 to 59,999	*	*	*	*	16.5	*	11.8	*	28.4
60,000 and over	*	*	*	*	1.9	*	6.9	*	9.0
Total households	2.9	*	*1.4	*	89.5	*0.8	43.6	3.3	142.3
Average consumption (MJ)	14,400	*	26,800	*	32,100	35,700	41,700	12,600	34,100
NORTHERN TERRITORY									
Under 20,000	*2.4	*	*	*	4.8	*	*	*	7.5
20,000 to 29,999	*	*	*	*	7.5	*	*	*	9.9
30,000 to 39,999	*	*	*	*	5.6	*	*	*	6.0
40,000 and over	*	*	*	*	*2.7	*	*	*	*2.8
Total households	4.4	*	*	*	20.6	*	*	*	26.2
Average consumption (MJ)	20,100	*	*	*	30,500	*	*	*	28,500
AUSTRALIAN CAPITAL TERRITORY									
Under 20,000	*	*	*	*	*3.5	*	*2.9	*	8.7
20,000 to 29,999	*	*	*	*	7.1	*	7.0	*	15.2
30,000 to 39,999	*	*	*	*	10.4	*	10.5	*	22.4
40,000 to 59,999	*	*	*	*	9.1	*	15.7	*	25.4
60,000 and over	*	*	*	*	*	*	5.2	*	6.6
Total households	*2.6	*	*	*	31.2	*	41.4	*	78.4
Average consumption (MJ)	22,900	*	*	*	35,400	*	42,400	*	38,500
AUSTRALIA									
Under 10,000	93.1	141.4	26.2	26.8	55.1	15.8	89.6	378.8	826.8
10,000 to 14,999	93.2	69.9	43.1	26.2	133.7	25.7	171.4	238.1	801.2
15,000 to 19,999	74.8	39.8	56.3	20.1	197.7	26.8	235.1	109.4	760.0
20,000 to 29,999	66.7	28.5	94.1	21.2	494.6	40.7	455.4	60.0	1,261.3
30,000 to 39,999	12.8	*	48.6	*4.4	341.0	14.4	308.1	8.7	740.9
40,000 to 59,999	8.1	*	16.8	*4.2	166.1	*7.8	221.9	*	429.2
60,000 and over	*4.2	*	*	*	30.3	*	51.8	*	88.2
Total households	349.2	284.7	287.2	105.0	1,418.5	132.7	1,533.3	797.1	4,907.6
Average consumption (MJ)	16,000	11,900	23,000	17,900	27,900	21,500	28,200	11,300	22,900

TABLE 9. RETICULATED ENERGY: ANNUAL CONSUMPTION BY NUMBER OF ROOMS BY STATE/TERRITORY, 1985-86
(* 000 of single households in private dwellings)

Annual consumption of reticulated energy (MJ)	4 rooms or less	5 rooms	6 rooms	7 rooms	8 rooms	9 rooms	10 rooms or more	Total
NEW SOUTH WALES								
Under 10,000	28.9	28.5	17.8	16.6	*5.1	*	*	98.1
10,000 to 14,999	28.3	54.3	39.8	32.6	10.2	*5.5	*3.7	174.4
15,000 to 19,999	14.9	75.4	62.4	51.1	25.6	*5.2	*	238.2
20,000 to 24,999	*4.1	53.2	66.4	77.9	32.9	9.3	11.9	255.8
25,000 to 29,999	*	20.0	58.5	77.0	37.4	23.7	14.8	233.1
30,000 to 39,999	*	20.1	58.9	111.4	73.1	43.6	37.2	346.6
40,000 to 59,999	*	*6.9	33.7	66.9	57.6	45.8	56.2	269.5
60,000 and over	*	*	*7.0	11.0	*8.2	11.5	37.5	75.2
Total households	82.8	258.4	344.6	444.5	250.1	145.2	165.3	1,690.9
Average consumption (MJ)	13,700	19,000	25,900	29,400	33,000	38,700	46,600	29,300
VICTORIA								
Under 10,000	19.6	16.6	12.8	*4.5	*	*	*	54.6
10,000 to 14,999	19.2	14.1	14.7	*8.4	*5.0	*	*	65.6
15,000 to 19,999	*6.5	22.2	16.9	14.6	*	*	*	66.5
20,000 to 24,999	*6.5	23.1	23.1	11.9	*8.3	*	*	78.9
25,000 to 29,999	*	16.1	19.8	16.2	*8.1	*4.6	*	69.9
30,000 to 39,999	*	23.8	43.9	40.1	24.0	12.6	11.1	158.6
40,000 to 59,999	*	27.9	83.7	70.1	38.0	15.4	17.4	253.1
60,000 and over	*	24.5	121.8	126.3	101.9	71.4	88.1	534.5
Total households	58.9	168.2	336.8	292.0	188.0	112.6	125.3	1,281.8
Average consumption (MJ)	14,700	33,800	51,400	59,600	68,900	75,300	102,500	59,000
QUEENSLAND								
Under 10,000	14.2	21.1	21.9	15.3	7.6	*	*	83.8
10,000 to 14,999	*6.7	24.8	34.8	24.8	14.6	*6.9	*	115.3
15,000 to 19,999	*	25.4	43.3	35.5	18.7	8.9	*4.6	138.2
20,000 to 24,999	*	15.3	38.5	49.7	30.6	15.2	8.4	158.2
25,000 to 29,999	*	*5.9	26.1	38.9	18.5	13.8	11.0	114.1
30,000 to 39,999	*	*	20.3	28.7	23.4	16.0	20.9	110.8
40,000 and over	*	*	*	8.6	11.2	7.5	23.3	54.4
Total households	24.0	94.3	187.6	201.4	124.6	70.5	72.4	774.7
Average consumption (MJ)	11,000	15,800	19,900	22,900	24,700	27,300	35,400	22,800
SOUTH AUSTRALIA								
Under 15,000	8.0	12.0	13.7	7.7	*	*2.1	*	45.1
15,000 to 19,999	5.0	10.9	19.5	8.9	*3.5	*	*	49.8
20,000 to 24,999	*1.8	13.6	23.3	14.5	6.8	*1.8	*	62.6
25,000 to 29,999	*	7.2	20.8	17.9	9.5	4.2	*	62.3
30,000 to 39,999	*	7.8	34.6	30.8	18.2	9.5	8.3	110.3
40,000 to 59,999	*	*3.4	27.6	29.4	14.9	9.9	9.4	94.8
60,000 and over	*	*	8.6	9.8	7.7	7.5	6.2	40.0
Total households	18.1	55.2	148.1	119.0	61.6	36.3	26.6	464.9
Average consumption (MJ)	17,000	23,200	31,800	36,300	40,000	43,100	53,700	34,600
WESTERN AUSTRALIA								
Under 10,000	5.7	17.2	23.7	12.8	*3.1	*	*	64.4
10,000 to 14,999	*1.8	18.6	23.5	19.6	11.5	5.5	*3.5	84.1
15,000 to 19,999	*	10.2	21.6	17.8	11.0	7.9	7.6	76.9
20,000 to 24,999	*	5.1	13.5	19.9	10.5	8.3	7.6	65.9
25,000 to 29,999	*	4.5	8.0	9.4	10.2	*3.5	5.8	41.9
30,000 to 39,999	*	6.4	14.8	13.6	9.3	7.6	16.7	68.5
40,000 and over	*	*	7.5	8.2	8.6	5.9	15.2	46.7
Total households	11.0	62.5	112.5	101.4	64.2	39.7	57.1	448.4
Average consumption (MJ)	20,300	16,000	20,900	21,900	25,200	27,300	33,600	23,200

TABLE 9. RETICULATED ENERGY: ANNUAL CONSUMPTION BY NUMBER OF ROOMS BY STATE/TERRITORY, 1985-86—continued
(¹ 000 of single households in private dwellings)

[illegible]

TABLE 10. RETICULATED ENERGY: ANNUAL EXPENDITURE BY ANNUAL INCOME BY STATE/TERRITORY, 1985-86
(^{'000 of single households in private dwellings})

('000 of single households in private ownership)											
	Household's annual income(a)—dollars										Total house- holds
Annual expenditure on reticulated energy (\$)	Under \$7,801	\$7,801 to \$9,100	\$9,101 to \$13,000	\$13,001 to \$18,200	\$18,201 to \$23,400	\$23,401 to \$28,600	\$28,601 to \$36,400	\$36,401 to \$46,800	\$46,801 and over	Not stated	
	NEW SOUTH WALES										
Under \$300	114.1	35.4	33.2	32.3	25.3	21.2	16.3	9.6	*6.2	*6.4	300.1
\$300 to \$349	26.9	21.1	12.5	15.5	19.2	15.1	15.2	14.2	*3.8	*	145.4
\$350 to \$399	19.2	24.0	17.0	28.0	17.5	16.0	14.3	11.3	9.4	*4.1	160.7
\$400 to \$449	21.2	20.6	16.7	24.6	27.2	20.9	22.3	11.5	9.8	*4.5	179.4
\$450 to \$499	11.8	10.8	15.9	25.4	28.1	19.5	16.3	14.3	9.7	*	153.7
\$500 to \$599	16.2	15.9	20.3	39.4	42.9	26.4	39.8	21.2	24.3	*7.8	254.1
\$600 to \$699	12.5	11.7	15.3	23.4	31.3	30.1	26.0	18.4	15.6	*	187.0
\$700 to \$899	*5.4	*6.1	16.0	26.2	31.6	24.5	34.9	28.9	20.7	*6.0	200.3
\$900 and over	*4.8	*	*6.2	12.7	10.8	12.2	13.5	16.9	26.0	*4.6	110.2
Average expenditure (\$)	351	415	476	512	530	539	563	601	693	565	512
VICTORIA											
Under \$300	45.8	11.0	14.3	12.5	10.2	*5.3	*4.4	*	*	*	106.1
\$300 to \$349	24.8	9.1	*4.3	10.9	13.8	*4.7	*3.9	*	*	*	75.1
\$350 to \$399	25.2	*8.7	9.2	*8.4	*8.0	*5.2	*4.6	*	*5.3	*	76.6
\$400 to \$449	15.5	9.3	9.9	*8.9	*7.3	*4.1	*5.7	*	*	*	67.1
\$450 to \$499	16.1	10.0	10.8	14.4	14.8	*7.5	*8.0	*5.0	*4.4	*	91.6
\$500 to \$599	20.6	21.7	23.7	34.8	30.7	25.7	16.3	15.2	10.9	*	201.6
\$600 to \$699	14.8	16.3	21.7	29.0	23.2	23.0	17.8	17.4	*6.8	*	172.5
\$700 to \$899	*7.9	15.2	16.7	44.0	44.3	32.8	36.3	32.9	15.7	*	247.3
\$900 and over	*3.8	*4.8	13.9	24.9	42.1	33.2	45.7	32.5	40.1	*	243.9
Average expenditure (\$)	417	536	578	639	693	739	767	817	957	721	665
QUEENSLAND											
Under \$300	47.9	10.6	12.0	10.6	7.6	*4.6	*	*4.4	*	*	102.1
\$300 to \$349	19.7	7.2	7.9	10.0	9.6	*5.1	*	*	*	*	65.4
\$350 to \$399	13.8	8.5	9.0	9.3	7.3	*5.6	*3.1	*3.0	*	*	65.8
\$400 to \$449	12.5	8.6	11.7	11.5	9.9	*6.5	*6.5	*5.8	*3.1	*	77.0
\$450 to \$499	7.5	*5.8	8.3	15.6	12.0	12.3	7.6	*4.5	*	*3.0	78.4
\$500 to \$599	9.1	12.3	18.9	26.1	25.1	18.8	19.5	8.4	*6.7	*3.8	148.7
\$600 to \$699	*3.7	*3.4	11.1	15.7	18.7	16.6	16.3	12.1	*6.3	*	105.3
\$700 to \$899	*	*	7.5	11.7	14.4	11.1	18.2	9.8	9.3	*	89.3
\$900 and over	*	*	*3.3	*3.7	*4.3	*5.4	*5.3	*6.1	10.2	*2.9	42.8
Average expenditure (\$)	348	440	496	516	544	566	615	615	740	619	524
SOUTH AUSTRALIA											
Under \$300	30.2	9.2	4.7	4.9	*3.1	*	*	*	*	*	55.7
\$300 to \$349	11.4	5.5	4.7	*3.6	*3.5	*	*1.8	*	*	*	33.1
\$350 to \$399	6.8	5.0	5.3	5.9	*3.5	*2.7	*1.8	*2.2	*	*	34.9
\$400 to \$449	8.5	5.7	5.1	7.3	*3.7	*3.1	*1.9	*	*1.9	*1.8	40.3
\$450 to \$499	*4.1	4.8	*4.1	7.0	5.0	*3.1	*3.3	*	*	*	33.8
\$500 to \$599	6.1	9.0	11.4	13.3	11.3	9.9	10.0	*3.4	4.5	*	80.0
\$600 to \$699	*2.3	4.3	4.3	11.1	13.2	12.2	8.4	7.4	4.3	*1.8	69.3
\$700 to \$899	*3.8	*3.7	4.6	11.7	13.5	11.5	14.2	7.1	6.0	*3.2	79.2
\$900 and over	*	*	*1.9	4.5	5.1	4.5	6.7	6.4	7.7	*	38.5
Average expenditure (\$)	360	456	511	565	613	638	686	727	784	640	568
WESTERN AUSTRALIA											
Under \$300	31.6	6.9	7.3	10.0	6.2	5.9	*3.3	*3.7	*	*	77.5
\$300 to \$349	8.3	5.1	6.8	7.3	5.0	5.5	*2.4	*2.4	*	*	44.1
\$350 to \$399	7.5	4.7	*3.6	4.5	*3.7	*4.1	*3.9	*2.5	*1.8	*	36.5
\$400 to \$449	5.2	4.5	*2.9	7.7	5.6	5.3	4.8	*3.0	*2.4	*	41.9
\$450 to \$499	4.8	*3.7	5.5	4.6	4.4	*4.2	*4.0	5.2	*	*	37.5
\$500 to \$599	5.4	7.6	9.5	10.9	12.2	10.8	8.4	4.8	*4.0	*1.9	75.6
\$600 to \$699	*	*2.5	*3.4	8.2	9.0	6.7	7.6	6.4	*3.7	*	50.1
\$700 to \$899	*	*	*3.3	6.7	7.2	9.2	8.8	7.3	6.3	*	52.9
\$900 and over	*	*	*2.8	*2.4	*4.0	*4.0	*2.9	4.9	7.2	*	32.2
Average expenditure (\$)	348	447	510	507	540	551	577	614	766	597	523

For footnotes see end of table

TABLE 10. RETICULATED ENERGY: ANNUAL EXPENDITURE BY ANNUAL INCOME BY STATE/TERRITORY, 1985-86—continued
(* 000 of single households in private dwellings)

	Household's annual income(a)—dollars										Total house- holds
Annual expenditure on reticulated energy (\$)	Under \$7,801	\$7,801 to \$9,100	\$9,101 to \$13,000	\$13,001 to \$18,200	\$18,201 to \$23,400	\$23,401 to \$28,600	\$28,601 to \$36,400	\$36,401 to \$46,800	\$46,801 and over	Not stated	
	TASMANIA										
Under \$300	9.2	*1.8	2.2	1.9	*0.9	*	*	*	*	*	16.9
\$300 to \$349	3.3	*1.4	*1.1	*1.1	*0.9	*	*	*	*	*	9.1
\$350 to \$399	2.9	2.0	*1.6	2.3	*1.5	*	*	*	*	*	12.5
\$400 to \$449	1.9	*1.8	2.6	2.1	3.3	*1.3	*0.9	*0.8	*	*	15.4
\$450 to \$499	2.4	*1.5	*1.7	4.4	*1.5	2.2	*0.8	*	*	*	15.8
\$500 to \$599	3.6	2.3	3.1	4.7	4.3	3.5	3.7	*1.6	*1.1	*	28.5
\$600 to \$699	*1.2	*0.9	2.1	3.3	3.6	2.6	*1.8	*1.6	*	*	17.6
\$700 to \$899	*1.0	*	2.5	*1.8	3.2	*1.6	2.6	*1.1	*1.0	*	15.9
\$900 and over	*	*	*	*1.3	2.1	*1.7	*1.8	*1.1	*1.4	*	10.6
Average expenditure (\$)	393	448	504	540	582	598	652	678	762	560	537
NORTHERN TERRITORY											
Under \$400	*	*	*	*	*	*	*	*	*	*	*3.2
\$400 to \$499	*	*	*	*	*	*	*	*	*	*	*
\$500 to \$599	*	*	*	*	*	*	*	*	*	*	5.9
\$600 to \$699	*	*	*	*	*	*	*	*	*	*	*
\$700 to \$899	*	*	*	*	*	*	*3.2	*	*	*	7.9
\$900 and over	*	*	*	*	*	*	*	*	*	*	6.0
Average expenditure (\$)	*	*	*	489	866	595	826	964	705	*	765
AUSTRALIAN CAPITAL TERRITORY											
Under \$300	*2.3	*	*	*	*	*	*	*	*	*	5.5
\$300 to \$349	*	*	*	*	*	*	*	*	*	*	4.7
\$350 to \$399	*	*	*	*	*	*	*	*	*	*	4.7
\$400 to \$449	*	*	*	*	*	*	*	*	*	*	4.9
\$450 to \$499	*	*	*	*	*	*	*	*	*	*	4.7
\$500 to \$599	*	*	*	*	*	*	*2.8	*	*3.3	*	12.8
\$600 to \$699	*	*	*	*	*	*	*3.0	*2.8	*2.5	*	14.1
\$700 to \$899	*	*	*	*	*	*3.3	4.6	*3.9	5.5	*	18.9
\$900 and over	*	*	*	*	*	*	*	*2.4	*	*	8.1
Average expenditure (\$)	427	*	647	597	516	668	662	687	686	*	629
AUSTRALIA											
Under \$300	281.1	74.9	73.7	72.9	54.2	40.2	27.8	19.0	10.2	10.1	664.1
\$300 to \$349	95.3	49.3	37.4	49.4	52.2	32.5	26.9	21.8	*7.9	*5.1	377.8
\$350 to \$399	75.7	53.3	46.3	59.4	40.8	35.8	31.8	22.0	22.3	*6.3	393.8
\$400 to \$449	65.1	50.6	49.1	62.5	57.9	42.2	43.6	27.1	19.6	10.2	427.6
\$450 to \$499	47.2	37.0	46.4	71.6	67.2	49.6	40.6	31.3	18.2	*6.4	415.5
\$500 to \$599	61.7	69.4	87.5	130.4	129.4	97.0	101.2	57.5	55.6	17.4	807.3
\$600 to \$699	36.3	39.0	58.5	92.7	100.6	92.9	80.9	66.8	39.9	10.1	617.5
\$700 to \$899	22.1	29.8	51.2	102.8	115.6	95.1	122.7	91.8	65.0	15.9	711.8
\$900 and over	11.7	10.5	28.7	50.5	70.8	61.8	78.3	71.9	94.9	13.1	492.3
Average expenditure (\$)	370	459	514	553	590	609	643	680	783	606	564
AUSTRALIA — PER CENT											
Under \$300	40.4	18.1	15.4	10.5	7.9	7.3	5.0	4.6	3.1	10.6	13.5
\$300 to \$349	13.7	11.9	7.8	7.1	7.6	5.9	4.9	5.3	*2.4	*5.4	7.7
\$350 to \$399	10.9	12.9	9.7	8.6	5.9	6.5	5.8	5.4	6.7	*6.7	8.0
\$400 to \$449	9.3	12.2	10.2	9.0	8.4	7.7	7.9	6.6	5.9	10.7	8.7
\$450 to \$499	6.8	8.9	9.7	10.3	9.8	9.1	7.3	7.6	5.5	*6.8	8.5
\$500 to \$599	8.9	16.8	18.3	18.8	18.8	17.7	18.3	14.1	16.7	18.4	16.4
\$600 to \$699	5.2	9.4	12.2	13.4	14.6	17.0	14.6	16.3	12.0	10.6	12.6
\$700 to \$899	3.2	7.2	10.7	14.8	16.8	17.4	22.2	22.4	19.5	16.8	14.5
\$900 and over	1.7	2.5	6.0	7.3	10.3	11.3	14.1	17.6	28.4	13.9	10.0
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(a) Includes only the income of household members who contributed directly to the payment of the household bills, refer to paragraph 17 of the Explanatory Notes.

TECHNICAL NOTE

Survey design

For this survey, a sample of 19,331 private dwellings was selected in such a way that each dwelling within a State had the same chance of being selected. The sample was selected in three stages. Firstly, a sample of *Population Census Collectors Districts* (CD's) was selected. The second stage was to select a sample of *blocks* within each selected CD. Finally, a sample of *dwellings* was selected from a list of all the private dwellings within each selected block.

2. During the survey, measures designed to take into account constructions, conversions, demolitions, etc, ensured the selected sample of private dwellings continued to be representative of all such dwellings in existence in Australia at that time.

Survey methodology

Timing of interviews

3. For the June 1983 survey, all interviews were conducted over the second and third weeks of June 1983 and, in general, annual consumption data covered the previous 12 months. However, for the 1985-86 survey, 25 interview periods commencing Monday, 17 June 1985, covered the twelve month period. The interview period which should have started on Monday, 16 December, was omitted. About 44% of the "June" interviews were conducted in 1985 and the balance in 1986.

4. A number of separate contacts with the household were necessary as this survey required a diary to be kept to monitor the household's usage of certain appliances over a seven day period. All such contacts, etc, had to be finalised within six weeks from the commencement of the interview period.

The questionnaire

5. Households were approached by specially trained interviewers. At the main interview, the interviewer went through the questionnaire with the head of the household (or another adult member) seeking the information outlined in publication 8212.0, Explanatory Notes, paragraphs 7 and 8.

6. If the household was not using reticulated electricity or more than one third of the domestic electricity bill was charged to a business, no further information was sought (see Explanatory Notes, paragraph 7).

Annual usage of reticulated energy

7. During the main interview, but after they had completed the questionnaire, households who had resided in that dwelling for at least one year up to the time of interview (other than those exclusions from paragraph 6 above) were requested to authorise release of the household's data from the relevant suppliers of reticulated gas and electricity. The supply authorities were then approached to supply to the ABS information on reticulated gas and electricity consumed by that household during the twelve months prior to the interview. In consequence, a household's annual consumption data will cover some 12 month period between approximately May 1984 and August 1986.

Weekly usage of major appliances

8. During the main interview the interviewer requested the co-operation of the head of the household (or another adult member) in completing a diary which allowed for the recording of the household's usage of selected appliances over a seven day period. Where agreement was given, the interviewer explained the diary, took a set of readings from the household's reticulated energy meters and made arrangements to contact the household by phone (or personal visit) midway through the seven day monitoring period to ensure no difficulties had been encountered.

9. On the day after the seven day monitoring period ended (or as soon thereafter as possible), the interviewer called back to collect the diary and take a second set of meter readings so reticulated energy consumption could be calculated over the seven day monitoring period.

Expansion factors

Variation between surveys

10. The expansion factors for estimation in earlier surveys were based on the age and sex of the head of household and adjusted for any undercoverage and non-response of PERSONS for each age by sex group. The expansion factors in the current survey were based on the location of the DWELLING (State, area, etc) and adjusted for non-response within different types of dwellings (houses, flats, etc).

Expansion factors used within this survey

11. Estimates were then adjusted so that, for each State, estimates for each month accounted for one twelfth of the estimated number of single households in private dwellings. The resultant expansion factors were used both for estimates of appliance holdings (publication 8212.0) and to determine a "benchmark population" for the two remaining parts of the survey viz. annual usage of reticulated energy (this publication) and weekly usage of major appliances (publication 8218.0).

Annual usage of reticulated energy

12. The expansion factors for this publication were calculated to provide estimates for—

Reticulated energy usage over a twelve month period by single households in private dwellings who had reticulated electricity connected at the time of interview and did NOT charge more than one third of their domestic electricity bill to a business;

and were adjusted to take into account the following households from which, for various reasons, it was not possible to obtain the requisite information:

- (a) households which did not give the ABS permission to obtain their consumption details from energy supply authorities;
- (b) households which had not occupied their current dwelling for at least 12 months; and
- (c) households for which electricity or gas consumption data covering a 12 month period were not available, for example, new gas connections.

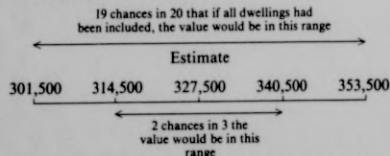
Reliability of the estimates

13. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of the likely difference is the *relative standard error* (RSE) which is obtained by expressing the standard error as a percentage of the estimate.

14. Space does not allow for the separate indication of the standard errors of all estimates in this publication. Table A shows, by State, the relative standard errors generally applicable to estimates of households. Tables B and C show, in relation to estimates of contributing households, the relative standard errors for the associated estimates of consumption and expenditure. Table B applies to averages for both reticulated electricity and reticulated energy (i.e. reticulated gas plus reticulated electricity). Table C applies to averages for reticulated gas. As the information in Tables A, B and C was derived using a generalised package and a limited number of characteristics, it will not give a precise measure of the relative standard error for any estimate but will provide an indication of its magnitude.

15. An example of the application of Table A to estimates of numbers of households is as follows. Table 1 shows that in Sydney, New South Wales, the estimated number of households using reticulated gas is 327,500. This estimate is between 300,000 and 400,000 in the estimate column of Table A. From the *New South Wales* column, the RSE will fall between 4.1% and 3.6% and can be pro rated as 3.96%. Thus 3.96% of 327,500, that is 13,000 (rounded), is the standard error of the estimate.

16. As the following diagram illustrates, there are about two chances in three that, had all dwellings been included, the actual number of households found to be using gas would fall within the range 314,500 to 340,500 and about nineteen chances in twenty the number would fall within the range 301,500 to 353,500.



17. As an example of the calculation and use of standard errors in relation to average consumption, the estimated 327,500 Sydney households using reticulated gas had an average electricity consumption of 19,000 megajoules (MJ) and average gas consumption of 17,300 MJ during 1985-86 (Table 1).

18. Table B shows the relative standard error for the estimated average electricity consumption of 19,000 MJ falls between 2.2% and 1.9% (based on the associated estimate of 327,500 households) and can be pro rated as 2.12%. Thus the standard error is 2.12% of 19,000 MJ, i.e. 400 MJ. So there are about two chances in three that, had all dwellings been included, the average consumption of electricity recorded would fall within the range 18,600 MJ to 19,400 MJ and about nineteen chances in twenty that the recorded value would fall within the range 18,200 MJ to 19,800 MJ.

19. Table C shows the relative standard error for the estimated average gas consumption of 17,300 MJ falls between 3.4% and 3.0% (based on the associated estimate of 327,500 households) and can be pro rated as 3.29%. Thus the standard error is 3.29% of 17,300 MJ, i.e. 600 MJ, so there are about two chances in three that the average consumption of gas recorded had all dwellings been included would fall within the range 16,700 MJ to 17,900 MJ and about nineteen chances in twenty that the value recorded would fall within the range 16,100 MJ to 18,500 MJ.

20. As can be seen from Table A, the smaller the estimate of households, the higher is the relative standard error. Very small estimates are thus subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication:

- estimates preceded by an asterisk (*) have a relative standard error of between 25 and 40 per cent, thus care should be exercised in using them;
- estimates replaced by an asterisk (*) have not been published because they have a relative standard error worse than 40 per cent and, although these estimates can in some cases be derived by subtraction, they should not be regarded as reliable.

For each State the estimates of households which have RSE's of 25 and 40 per cent are shown in Table A.

21. Proportions and percentages formed from the ratio of two estimates are also subject to sampling errors. The size of the error depends on the accuracy of both the numerator and the denominator. The formula for the relative standard error (RSE) of a proportion is:

$$RSE(\hat{p}) = \sqrt{[RSE(x)]^2 + [RSE(y)]^2}$$

22. Published figures may also be used to estimate the difference between two survey estimates (of numbers or percentages). Such a figure is itself an estimate and is therefore subject to sampling error. The sampling error affecting the difference between two estimates depends on their standard errors and the relationship (correlation) between them. An approximate RSE for the difference between two estimates "x" and "y" may be calculated by the formula:

$$RSE(x - y) = \sqrt{[RSE(x)]^2 + [RSE(y)]^2}$$

While the formula will only be exact for differences between separate and uncorrelated characteristics or sub-populations, it is expected to provide a good approximation for all differences likely to be of interest in this publication.

23. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents, and errors made in the coding and processing of data. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or a sample.

TABLE A. STANDARD ERRORS FOR ESTIMATES OF NUMBERS OF HOUSEHOLDS

<i>Estimate of households</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Australia</i>
<i>Relative Standard Error (Per cent)</i>									
1,000				37.5	36.8	34.8		37.6	
2,000				30.1	30.0	24.2		29.7	
3,000			39.2			19.5	33.3		41.8
4,000	37.9	38.1	33.7	25.8	25.9	16.8	27.0	25.2	36.0
5,000	33.8	33.9	30.0	22.9	23.1	14.9	22.9	22.1	32.0
10,000	23.7	23.6	20.9	15.7	16.3	10.4	13.8	14.8	22.4
15,000	19.2	19.1	16.9	12.7	13.3	8.4	10.3	11.7	18.1
20,000	16.6	16.4	14.5	10.8	11.5	7.2	8.4	9.9	15.6
30,000	13.5	13.3	11.8	8.7	9.3	5.8	6.2	7.8	12.6
40,000	11.6	11.4	10.1	7.5	8.1	5.0		6.6	10.9
70,000	8.7	8.5	7.5	5.5	6.1	3.7		4.8	8.1
100,000	7.3	7.1	6.3	4.6	5.1	3.1			6.8
200,000	5.1	4.9	4.4	3.1	3.6	2.2			4.7
300,000	4.1	4.0	3.5	2.5	2.9				3.8
400,000	3.6	3.4	3.0	2.2	2.5				3.3
600,000	2.9	2.8	2.5						2.7
800,000	2.5	2.4	2.1						2.3
1,000,000	2.2	2.1							2.0
2,000,000	1.6	1.5							1.4
3,000,000									1.2
5,000,000									0.9

Cutoffs by State for Estimates of Households(a)

40% RSE	3,600	3,700	2,900	1,800	1,700	800	2,300	1,800	3,300
25% RSE	9,000	9,000	7,100	4,200	4,300	1,900	4,400	4,000	8,100

(a) In Tables 1 to 10, estimates with a relative standard error between 25 per cent and 40 per cent are prefixed with an asterisk (*). Estimates with a relative standard error worse than 40 per cent have not been published, see Technical Note, paragraph 20.

TABLE B. STANDARD ERRORS FOR ESTIMATES OF CONSUMPTION OR EXPENDITURE OF RETICULATED ELECTRICITY OR ENERGY

<i>Estimate of households(a)</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Australia</i>
<i>Relative Standard Error (Per cent)</i>									
1,000				10.1	12.8	13.7		12.5	
2,000				8.8	11.2	10.4		11.9	
3,000			15.2			8.9	16.0		17.2
4,000	15.4	15.1	13.3	8.0	10.2	7.9	14.1	10.5	15.1
5,000	13.9	13.8	11.9	7.4	9.5	7.3	12.9	9.5	13.6
10,000	10.2	10.3	8.6	5.8	7.5	5.5	9.5	7.0	9.9
15,000	8.5	8.6	7.1	5.1	6.6	4.7	8.0	5.8	8.2
20,000	7.4	7.6	6.2	4.6	6.0	4.2	7.1	5.1	7.2
30,000	6.2	6.4	5.1	4.0	5.2	3.6	6.0	4.2	6.0
40,000	5.5	5.7	4.4	3.6	4.8	3.2		3.7	5.3
70,000	4.2	4.5	3.4	3.0	4.0	2.5		2.9	4.1
100,000	3.6	3.8	2.9	2.7	3.5	2.2			3.5
200,000	2.6	2.9	2.1	2.1	2.8	1.7			2.5
300,000	2.2	2.4	1.7	1.8	2.5				2.1
400,000	1.9	2.1	1.5	1.7	2.2				1.8
600,000	1.6	1.8	1.2						1.5
800,000	1.4	1.6	1.1						1.3
1,000,000	1.3	1.4							1.2
2,000,000	0.9	1.1							0.9
3,000,000									0.7
5,000,000									0.6

(a) The estimated number of households upon which the average consumption or expenditure of reticulated electricity or reticulated energy is based.

TABLE C. STANDARD ERRORS FOR ESTIMATES OF CONSUMPTION OR EXPENDITURE OF RETICULATED GAS

<i>Estimate of households(a)</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Australia</i>
<i>Relative Standard Error (Per cent)</i>									
2,000				17.3	14.1			29.9	
3,000			18.9	14.6	12.7			26.0	28.2
4,000	21.9	12.9	16.8	12.9	11.8			23.6	24.5
5,000	19.9	11.8	15.4	11.8	11.1			21.9	21.9
10,000	14.8	9.1	11.7	8.8	9.2				15.6
15,000	12.4	7.7	10.0	7.4	8.3				12.7
20,000	11.0	6.9	8.9	6.6	7.7				11.1
30,000	9.2	5.9	7.6	5.5	6.9				9.0
40,000	8.2	5.3	6.8	4.9	6.4				7.8
70,000	6.4	4.3	5.4	3.9	5.5				6.0
100,000	5.5	3.7		3.3	5.0				5.0
200,000	4.1	2.9		2.5	4.1				3.5
300,000	3.4	2.4		2.1					2.9
400,000	3.0	2.2							2.5
600,000		1.9							2.1
800,000		1.7							1.8
1,000,000									1.6

(a) The estimated number of households upon which the average consumption or expenditure of reticulated gas is based.