



**Australian
Bureau of
Statistics**

**August 1989
Production of Energy Products
Australia**

(Previously : Production of Energy, Australia)

Catalogue No. 8368.0

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**PRODUCTION OF ENERGY PRODUCTS
AUSTRALIA, AUGUST 1989**

(Previously : Production of Energy, Australia)

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Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 8368.0

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TABLE 1. ELECTRICITY
(million kWh)

Period	Thermal(a) (351.02.04)	Hydro (351.03)	Total		Trend(c)
			Original (351.02-04)	Seasonally adjusted(b)	
1986-87	116,229	13,892	130,122	..	..
1987-88	122,145	14,725	136,869	..	..
1988-89	129,823	15,031	144,854	..	..
1988—					
June	10,805	1,299	12,104	11,243	11,347
July	11,153	1,482	12,635	11,068	11,415
August	11,287	1,485	12,772	11,679	11,567
September	10,393	1,371	11,764	11,772	11,774
October	10,849	1,107	11,956	12,116	11,994
November	10,417	1,229	11,646	12,227	12,192
December	10,609	1,141	11,750	12,355	12,323
1989—					
January	10,578	908	11,485	12,307	12,382
February	10,275	923	11,198	12,400	12,381
March	11,226	1,039	12,265	12,444	12,337
April	10,560	1,144	11,704	12,428	12,292
May	10,741	1,677	12,419	11,993	12,291
June	11,734	1,525	13,259	12,374	12,349
July	12,395	1,513	13,908	12,232	12,457
August	12,302	1,519	13,822	12,638	12,595
1988-89 July to Aug.	22,440	2,967	25,407	..	..
1989-90 July to Aug.	24,697	3,032	27,730	..	..

TABLE 1. ELECTRICITY—continued
(million kWh)

Period	NSW(d)	Vic.(d)	Qld(d)	SA and NT(d)	WA(d)	Tas.(d)	Australia
				(351.02-04)			
1986-87	47,961	31,135	22,622	9,667	10,320	8,416	130,122
1987-88	49,702	33,343	23,724	10,120	11,114	8,866	136,869
1988-89	51,813	36,139	25,371	10,589	11,950	8,993	144,854
1988—							
June	4,748	2,809	1,972	862	934	779	12,104
July	4,984	2,869	2,090	904	975	814	12,635
August	4,989	2,893	2,185	900	982	823	12,772
September	4,458	2,727	2,080	835	912	753	11,764
October	4,053	3,098	2,237	845	952	772	11,956
November	4,000	2,999	2,134	845	956	711	11,646
December	4,141	2,928	2,093	880	1,004	704	11,750
1989—							
January	3,908	2,858	2,083	889	1,049	699	11,485
February	3,797	2,938	1,974	853	995	641	11,198
March	4,114	3,279	2,173	950	1,056	691	12,265
April	4,068	3,064	2,042	827	983	721	11,704
May	4,479	3,043	2,141	898	1,039	820	12,419
June	4,823	3,445	2,139	962	1,045	844	13,259
July	5,123	3,502	2,361	1,001	1,067	854	13,908
August	5,205	3,329	2,350	1,005	1,092	841	13,822
1988-89 July to Aug.	9,973	5,762	4,275	1,804	1,957	1,637	25,407
1989-90 July to Aug.	10,328	6,831	4,711	2,006	2,159	1,695	27,730

(a) Includes electricity generated by diesel power stations. (b) See paragraph 5, Explanatory Notes. (c) See paragraph 6 to 8, Explanatory Notes. (d) Statistics relate to generation of electricity within each State and take no account of interchange between States. Furthermore, details for Victoria exclude Victorian entitlements to generation from the Hume Power Station and the Snowy Mountains Hydro-electric Scheme.

TABLE 2. GAS
(million megajoules)

Period	Gas available for issue through mains						Australia		
	NSW and ACT	Vic.	Qld	SA	WA	Tax	Original	Seasonally adjusted(a)	Trend(b)
	(340.01)								
1986-87	96,361	155,775	24,219	82,550	126,050	62	485,017	..	..
1987-88	93,685	154,637	27,308	83,101	143,991	54	502,176	..	..
1988-89	96,453	159,033	26,691	86,546	145,518	56	514,298	..	..
1988—									
June	7,999	17,357	2,348	7,522	11,704	6	46,936	40,899	40,932
July	9,581	18,273	2,531	7,974	12,037	6	50,403	40,816	40,989
August	9,930	17,201	2,576	8,001	12,332	6	50,045	42,763	41,325
September	8,742	14,253	2,410	7,004	11,962	5	44,375	41,312	41,903
October	7,525	12,585	2,336	7,092	12,125	5	41,667	40,782	42,564
November	7,653	11,443	2,361	6,911	12,363	4	40,734	43,849	43,184
December	7,189	9,126	2,168	6,800	12,703	4	37,989	44,387	43,475
1989—									
January	6,416	8,827	2,176	6,482	12,512	3	36,416	44,770	43,421
February	7,136	8,905	2,150	6,505	11,021	3	35,270	42,898	43,139
March	7,466	9,786	2,338	7,246	12,821	4	39,661	42,346	42,983
April	7,875	10,831	1,413	6,465	12,403	4	38,991	42,856	43,201
May	7,810	15,457	1,860	7,584	10,833	6	43,550	40,399	43,934
June	9,133	22,346	2,372	8,482	12,408	7	54,747	48,042	44,976
July	10,286	21,954	2,578	8,884	13,121	8	56,830	46,204	45,984
August	10,792	21,497	2,650	8,741	13,179	7	56,867	48,489	46,805
1988-89 July to Aug.	19,511	35,474	5,107	15,975	24,369	12	100,448	..	..
1989-90 July to Aug.	21,078	43,451	5,228	17,625	26,300	15	113,697	..	..

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 to 8, Explanatory Notes.

TABLE 3. COKE
('000 tonnes)

Period	Metallurgical coke, coke breeze(a) (325.02)
1986-87	3,253
1987-88	3,727
1988-89	3,889
1988—	
June	941
July	3,062
August	2,943
September	978
October	2,806
November	2,781
December	992
1989—	
January	3,251
February	2,817
March	3,022
April	3,038
May	3,121
June	3,047
July	2,900
August	n.y.a.
1988-89 July to Aug.	..
1989-90 July to Aug.	..

TABLE 4. PETROLEUM REFINERY INPUT AND PRODUCTS (b)
(megalitres)

Period	Input(c)	Auto- motive gasoline	Aviation turbine fuel	Fuel oil	Auto- motive diesel oil	Industrial and marine diesel fuel	Bitumen	
1986-87	32,959	15,296	2,742	2,274	8,198	240	523	
1987-88	34,960	15,995	3,123	2,078	9,399	229	513	
1988-89	36,035	15,913	3,338	2,272	9,774	175	582	
1988—								
June	3,081	1,312	274	177	784	12	53	
July	3,062	1,428	260	179	829	10	29	
August	2,943	1,313	231	189	815	19	32	
September	978	1,109	299	217	800	18	57	
October	2,806	1,217	297	215	765	16	45	
November	2,781	1,237	336	164	758	20	44	
December	3,037	1,353	309	124	817	16	53	
1989—								
January	3,251	1,329	333	167	804	21	54	
February	2,817	1,299	251	197	772	12	52	
March	3,022	1,342	206	198	900	7	70	
April	3,038	1,362	285	191	785	13	45	
May	3,121	1,349	284	194	880	11	52	
June	3,047	1,375	247	237	849	12	49	
July	2,900	1,411	300	184	784	4	26	
August	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	
1988-89 July to Aug.	..	6,005	2,741	491	368	1,644	29	61
1989-90 July to Aug.	..	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	

(a) Prior to July 1989 excludes coke breeze. (b) Produced by Australian refineries from imported and indigenous petroleum. Source: Australian Bureau of Agricultural and Research Economics. (c) Includes the input of crude, enriched crude and other petroleum based feedstock.

EXPLANATORY NOTES

Introduction

This publication is one of a series of nine containing monthly and quarterly production statistics. The titles of other publications of this series are shown in paragraph 9.

Classification

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Most items are identified by the commodity codes used in the Australian Manufacturing Production Commodity Classification (AMPCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics. AMPCC items were introduced into the monthly production collections (catalogues 8301.0, 8357.0 to 8363.0, 8367.0 and 8368.0) from July 1989. The last available data relating to superseded commodity items corresponding to items in this publication are published in the June 1989 issue, *Production of Energy and Metal Products, Australia* (8364.0). In cases where data are derived from sources other than ABS collections no commodity code is shown and the source of the data is acknowledged in a footnote.

Scope and Coverage

3. Manufacturing commodity statistics collected by the ABS exclude details relating to single establishment manufacturing enterprises with fewer than four persons employed and production of establishments predominantly engaged in non-manufacturing activities but which may carry on, in a minor way, some manufacturing. However, except for a few commodities the effect on production levels and movements is marginal.

4. Annual figures shown in this publication are derived by aggregating monthly/quarterly production and relate to production during the year ended 30 June. They may differ from annual manufacturing census data which relate to the census year end, in the case of businesses unable to report on a June year basis include details in respect of substitute accounting periods.

Seasonal adjustment and trend estimates

5. This publication contains seasonally adjusted statistics of several items. In the seasonal adjustment, account has been taken not only of normal seasonal factors but also of 'working-day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the month) and the influence of Easter and Australia Day which may, in successive years, affect figures for different months. However, care should be exercised in interpreting the figures for those months in which Christmas/New Year and Easter holidays fall as some manufacturers vary holiday shutdowns in the light of prevailing demand for their products. Details of the methods used in seasonally adjusting these and other series are available on request.

6. The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates have been derived by applying a 13-term Henderson weighted moving average to the seasonally adjusted series.

7. While this smoothing technique enables estimates of trend to be produced for the latest month, it does result in revisions to the estimates for the most recent months as data for subsequent months become available. Generally subsequent revisions become smaller and after 3 months have little impact on the series. There will also be revisions as a result of revisions to the original estimates and annual reviews of seasonal and 'working day' factors.

8. Users may wish to refer to the ABS Information Papers *A Guide to Smoothing Time Series — Estimates of "Trend"* (1316.0) and *Time Series Decomposition — An Overview* (1317.0) for more detailed information on smoothing of seasonally adjusted time series data.

Related publications

9. Other ABS publications which may be of interest are:

Production statistics, Australia, Preliminary (8301.0) — issued monthly

Production of Household Appliances and Electrical Equipment, Australia (8357.0) — issued monthly

Production of Clothing and Footwear, Australia (8358.0) — issued monthly

Production of Food, Drink, Tobacco, and Stock and Poultry Food, Australia (8359.0) — issued monthly

Production of Fibres, Yarns, Fabrics, Bedding and Floor Coverings, Australia (8360.0) — issued monthly

Production of Building Materials and Fittings, Australia (8361.0) — issued monthly

Production of Paper, Plastics, Paints, Industrial Chemicals and Detergents, Australia (8362.0) — issued monthly

Production of Transport Equipment, Australia (8363.0) — issued quarterly

Production of Metal Products, Australia (8367.0) — issued monthly

Manufacturing Commodities: Selected Principal Articles Produced, Australia 1986-87, Preliminary (8356.0)

Manufacturing Commodities: Principal Articles Produced, Australia 1986-87 (8303.0)

10. 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. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- n.p. not available for separate publication (but included in totals where applicable)
- n.y.a. not yet available
- . . not applicable
- r revised since last issue

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