

CATALOGUE NO. 8368.0

EMBARGOED UNTIL 11.30 A.M. 21 MARCH 1990

PRODUCTION OF ENERGY PRODUCTS, AUSTRALIA, DECEMBER 1989

PHONE INQUIRIES

• *about these statistics and the availability of related unpublished statistics* — contact Kevin Squair on Canberra (062) 52 5558 or any ABS State office.

• *about other statistics and ABS services* — contact Information Services on Canberra (062) 52 6627, 52 5402, 52 6007 or any ABS State office.

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• *write to Information Services*, ABS, P.O. Box 10, Belconnen, ACT 2616 or any ABS State office.

ELECTRONIC

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TABLE 1. ELECTRICITY
(million kWh)

Period	Total				
	Thermal(a) (351 02,04)	Hydro (351 03)	Original (351 02-04)	Seasonally adjusted(b)	Trend(c)
1986-87	116,229	13,892	130,122	..	..
1987-88	122,143	14,725	136,867	..	..
1988-89	129,823	15,031	144,854	..	..
1988—					
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	12,380
March	11,226	1,039	12,265	12,444	12,351
April	10,560	1,144	11,704	12,428	12,313
May	10,741	1,677	12,419	11,993	12,296
June	11,734	1,525	13,259	12,374	12,317
July	r12,432	1,513	r13,945	r12,265	r12,366
August	r12,332	1,519	r13,852	r12,666	r12,438
September	r11,030	1,358	r12,387	r12,438	r12,522
October	r11,109	1,436	r12,546	r12,714	r12,601
November	r10,797	1,241	r12,038	r12,597	r12,673
December	10,786	1,189	11,976	12,625	12,742
1988-89 July to Dec.	64,708	7,815	72,523	..	..
1989-90 July to Dec.	68,487	8,257	76,743	..	..

For footnotes see end of table

TABLE 1. ELECTRICITY—continued
(million kWh)

Period	NSW(d)	Vic.(d)	Qld(d)	SA and NT(d) (351.02.04)	WA(d)	Tas.(d)	Australia
1986-87	47,961	31,135	22,622	9,667	10,320	8,416	130,122
1987-88	49,702	33,343	23,724	10,118	11,114	8,866	136,867
1988-89	51,813	36,139	25,371	10,589	11,950	8,993	144,854
1988—							
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	1,104	854	13,945
August	5,205	3,329	2,350	1,005	1,122	841	13,852
September	4,440	3,052	2,190	888	1,054	763	12,387
October	4,242	3,255	2,287	890	1,087	785	12,546
November	4,123	2,990	2,203	905	1,092	725	12,038
December	3,834	3,252	2,212	843	1,124	711	11,976
1988-89 July to Dec.	26,625	17,514	12,819	5,209	5,781	4,577	72,523
1989-90 July to Dec.	26,967	19,380	13,603	5,532	6,582	4,679	76,743

(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 (340.01)	Tas	Original	Seasonally adjusted(a)	Trend(b)
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	143,391	54	502,176	..	..
1988-89	96,453	159,033	26,691	86,546	145,518	56	514,298	..	..
1988—									
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	43,005
April	7,875	10,831	1,413	6,465	12,403	4	38,991	42,857	43,262
May	7,810	15,457	1,860	7,584	10,833	6	43,550	40,399	44,012
June	9,133	22,346	2,372	8,482	12,408	7	54,747	48,042	45,015
July	10,286	21,954	2,578	8,884	13,121	8	56,831	46,205	45,793
August	9,222	16,338	2,650	8,741	13,179	7	56,867	48,489	46,090
September	9,222	16,338	2,400	7,210	12,469	6	47,644	44,343	45,931
October	8,723	14,285	1,821	8,241	13,377	5	46,453	45,129	45,613
November	8,231	11,008	1,641	7,304	12,738	4	40,926	44,422	45,426
December	8,297	8,886	2,749	6,449	13,958	4	40,343	46,909	45,386
1988-89 July to Dec.	50,619	82,881	14,382	43,782	73,521	29	265,214	..	..
1989-90 July to Dec.	55,552	93,969	13,838	46,830	78,841	33	289,063	..	..

(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) (323.02)
1986-87	3,253
1987-88	3,727
1988-89	3,889
1988—	
October	
November	
December	992
1989—	
January	
February	
March	958
April	
May	
June	961
July	
August	
September	1,162
October	
November	
December	n.p.
1988-89 July to Dec.	1,969
1989-90 July to Dec.	n.p.

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

Input(c)	Auto- motive gasoline	Aviation turbine fuel	Fuel oil	Auto- motive diesel oil	Industrial and marine diesel fuel	Bitumen
32,959	15,296	2,742	2,274	8,198	240	523
34,960	15,995	3,123	2,078	9,399	229	513
36,035	15,913	3,338	2,272	9,774	175	582
2,806	1,217	297	215	765	16	45
2,781	1,237	336	164	758	20	44
3,037	1,353	309	124	817	16	53
3,251	1,329	333	167	804	21	54
2,817	1,299	251	197	772	12	52
3,022	1,342	206	198	900	7	70
3,038	1,362	285	191	785	13	45
3,121	1,349	284	194	880	11	52
3,047	1,375	247	237	849	12	49
3,027	1,403	300	184	784	4	26
2,929	1,332	237	191	811	5	43
2,747	1,351	262	173	716	21	43
2,985	1,323	280	205	852	17	46
3,039	1,255	231	235	884	11	51
n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.
17,739	7,857	1,732	1,088	4,784	99	260
n.y.a.	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 Resource 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 (AMPPCC), 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 and, 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, where appropriate, 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 ex-

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 (8365.0)

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

10. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, 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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