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PRODUCTION OF ENERGY PRODUCTS, AUSTRALIA, AUGUST 1990

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ELECTRONIC

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TABLE 1. ELECTRICITY
(million kWh)

Period	Thermal(a) (351.02.04)	Hydro (351.03)	Total		
			Original (351.02.04)	Seasonally adjusted(b)	Trend(c)
1987-88	122,143	14,725	136,867	..	..
1988-89	129,823	15,031	144,854	..	..
1989-90	137,191	15,763	152,956	..	..
1989—					
June	11,734	1,525	13,259	12,399	12,391
July	12,432	1,513	13,945	12,488	12,450
August	12,320	1,519	13,839	12,660	12,505
September	11,030	1,358	12,387	12,509	12,556
October	11,109	1,436	12,546	12,644	12,609
November	10,797	1,241	12,038	12,557	12,664
December	10,787	1,189	11,977	12,567	12,722
1990—					
January	11,360	976	12,336	12,980	12,799
February	10,719	1,074	11,793	12,924	12,868
March	11,603	1,274	12,877	12,931	12,910
April	10,837	1,087	11,923	12,803	12,919
May	11,683	1,623	13,306	12,927	12,909
June	12,514	1,475	13,988	13,130	12,897
July t	12,520	1,482	14,002	12,551	12,887
August	12,564	1,773	14,337	13,036	12,888
1989-90: July to Aug.	24,752	3,032	27,784	..	..
1990-91: July to Aug.	25,084	3,255	28,340	..	..

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
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
1989-90	53,900	38,734	27,020	10,665	13,538	9,097	152,956
1989—							
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	993	1,122	841	13,839
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	11,977
1990—							
January	4,031	3,207	2,294	919	1,171	714	12,336
February	3,985	2,994	2,189	855	1,114	655	11,793
March	4,610	3,124	2,318	888	1,215	722	12,877
April	4,245	3,008	2,131	749	1,099	690	11,923
May	5,000	3,223	2,251	846	1,175	810	13,306
June	5,062	3,798	2,234	888	1,180	827	13,988
July	4,887	3,646	2,419	918	1,243	889	14,002
August	5,228	3,648	2,424	941	1,232	865	14,337
1989-90: July to Aug.	10,328	6,831	4,711	1,994	2,226	1,694	27,784
1990-91: July to Aug.	10,115	7,294	4,843	1,859	2,474	1,754	28,340

(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)

Gas available for issue through mains									
Period	NSW and ACT	Vic.	Qld	SA	WA (340.01)	Tas	Australia		
							Original	Seasonally adjusted(a)	Trend
1987-88	93,685	154,637	27,308	83,101	143,391	54	502,176	..	..
1988-89	95,819	159,033	26,691	86,546	145,518	56	513,663	..	..
1989-90	100,450	167,497	26,722	85,069	156,571	63	r536,671	..	..
1989—									
June	9,009	22,346	2,372	8,482	12,408	7	54,624	47,584	44,975
July	10,147	21,954	2,578	8,884	13,121	8	56,692	46,077	45,834
August	10,646	21,497	2,650	8,741	13,179	7	56,720	48,060	46,266
September	9,096	16,338	2,400	7,210	12,469	6	47,518	44,977	46,169
October	8,603	14,285	1,821	8,241	13,377	5	46,332	45,474	45,628
November	8,117	11,008	1,641	7,304	12,738	4	40,812	44,193	44,847
December	6,970	8,886	2,749	6,449	13,955	4	39,014	44,783	r44,083
1990—									
January	6,498	8,493	2,041	6,355	13,396	3	36,785	44,112	43,618
February	6,969	9,027	1,780	5,565	12,193	4	35,536	42,616	43,342
March	7,931	9,707	2,197	6,563	12,945	4	39,347	42,474	43,272
April	7,627	10,834	2,141	5,664	12,848	4	39,117	43,332	43,334
May	8,747	15,981	2,415	6,756	13,146	7	47,051	44,137	43,490
June	r9,100	19,487	2,309	7,337	13,206	7	r51,446	r44,840	43,663
July	r9,426	19,872	1,980	7,833	12,798	7	r51,916	r41,893	43,815
August	9,470	20,309	2,063	8,084	12,788	8	52,722	44,721	43,989
1989-90: July to Aug.	20,793	43,451	5,228	17,625	26,300	15	113,412	..	..
1990-91: July to Aug.	18,896	40,181	4,043	15,917	25,586	15	104,638	..	..

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

TABLE 3. PETROLEUM REFINERY INPUT AND PRODUCTS (a)
(megallitres)

Period	Petroleum based feedstock(b)	Auto-motive gasoline	Aviation turbine fuel	Fuel oil	Auto-motive diesel oil	Industrial and marine diesel fuel	Bitumen
1987-88	34,960	15,997	3,123	2,078	9,399	229	513
1988-89	36,018	15,913	3,338	2,272	9,774	175	582
1989-90	36,377	16,315	3,302	2,479	10,282	142	557
1989—							
May	3,121	1,349	284	194	880	11	52
June	3,035	1,375	247	237	849	12	49
July	3,027	1,403	300	184	784	4	26
August	2,928	1,332	237	191	811	5	43
September	2,747	1,351	262	173	716	21	43
October	2,985	1,323	280	205	852	17	46
November	3,039	1,255	231	235	884	11	51
December	3 065	1,356	270	230	897	9	72
1990—							
January	3,135	1,499	287	256	989	21	37
February	2,977	1,185	293	224	843	10	39
March	3,085	1,334	295	182	901	9	64
April	3,137	1,397	324	181	856	16	44
May	3,131	1,401	261	209	849	8	43
June	3,120	1,479	262	209	900	11	49
July	2,992	1,366	301	230	791	11	38

(a) Produced by Australian refineries from imported and indigenous petroleum. Source: Australian Bureau of Agricultural and Resource Economics. (b) Refinery input includes the input of crude and enriched crude.

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 Standard Commodity Classification (ASCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics. ASCC items were introduced into the monthly production collections (catalogues 8301.0, 8357.0 to 8363.0, 8367.0 and 8368.0) from July 1989. 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 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 monthly

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

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W. McLENNAN
Acting Australian Statistician

