

CATALOGUE NO. 8368.0
EMBARGOED UNTIL 11.30 A.M. 24 MAY 1991

**MANUFACTURING PRODUCTION, AUSTRALIA
ENERGY PRODUCTS
MARCH 1991**

TABLE 1. ELECTRICITY
(million kWh)

Period	Thermal(a) (351.02.04)	Hydro (351.03)	Original (351.02-04)	Total	
				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	15,765	152,956	..	..
<i>1990--</i>					
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	12,908
April	10,837	1,087	11,923	12,803	12,922
May	11,683	1,623	13,306	12,927	12,917
June	12,514	1,475	13,988	13,130	12,898
July	12,520	1,482	14,002	12,551	12,883
August	12,565	1,773	14,338	13,037	12,894
September	11,023	1,844	12,867	13,087	+12,943
October	11,021	1,739	12,761	12,726	+13,022
November	10,521	1,928	12,449	13,022	+13,106
December	11,314	1,371	12,686	13,349	+13,170
<i>1991--</i>					
January	11,560	1,250	12,810	13,474	+13,198
February r	10,845	1,170	12,015	13,164	13,190
March	11,620	1,057	12,677	12,873	13,170
1989-90: July to Mar.	102,157	11,581	113,738	..	..
1990-91: July to Mar.	102,990	13,614	116,604	..	..

For footnotes see end of table.

INQUIRIES

- * for further information about statistics in this publication and the availability of related unpublished statistics contact Kevin Squair on Canberra (06) 252 5558 or any ABS State office.
- * for information about other ABS statistics and services please contact Information Services on Canberra (06) 252 6621, 252 5402, 252 6007 or any ABS State office.

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	r53,901	r38,735	27,020	10,665	13,538	9,097	152,956
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	3,649	2,424	941	1,231	865	14,338
September	4,716	3,318	2,302	650	1,100	780	12,867
October	4,828	2,937	2,392	685	1,154	764	12,761
November	4,378	3,118	2,357	712	1,172	711	12,449
December	4,383	3,328	2,368	697	1,195	715	12,686
1991—							
January	4,490	3,275	2,314	759	1,262	708	12,810
February	4,151	r3,219	2,136	697	r1,157	655	r12,015
March	4,451	3,194	2,376	696	1,230	729	12,677
1989-90: July to Mar.	39,593	28,705	20,404	8,183	10,084	6,770	113,738
1990-91: July to Mar.	41,513	29,684	21,089	6,756	10,744	6,817	116,604

(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 Mountain Hydro-electric Scheme.

TABLE 2. GAS
(million megajoules)

Period	Gas available for issue through mains						Australia		Trend(c)
	NSW and ACT	Vic.(a)	Qld	SA (340.01)	WA	Tas	Original(a)	Seasonally adjusted(b)	
							Original(a)	Seasonally adjusted(b)	
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	r513,664	..	..
1989-90	100,450	167,497	r26,721	85,069	156,571	r62	536,371	..	..
1990—									
January	6,498	8,493	2,041	6,355	13,396	3	36,785	44,112	43,610
February	6,969	9,027	1,780	5,565	12,193	4	35,536	42,616	43,321
March	7,931	9,707	2,197	6,563	12,945	4	39,347	42,474	43,255
April	7,627	10,834	2,141	5,664	12,848	4	39,117	43,332	43,328
May	8,747	15,981	2,415	6,756	13,146	7	47,051	44,137	43,516
June	9,100	19,487	2,309	7,337	13,206	7	51,446	44,840	43,805
July	9,966	19,872	1,980	7,833	12,798	7	52,456	42,329	44,096
August	10,011	20,309	2,063	8,084	12,788	8	53,264	45,181	44,239
September	8,415	15,872	2,334	6,506	12,705	6	45,839	43,423	r44,189
October	8,448	15,475	2,479	6,755	12,679	5	45,841	44,683	r43,989
November	7,402	14,231	2,298	6,315	11,196	5	41,446	45,249	r40,703
December	6,717	10,917	2,130	5,298	11,075	4	36,143	41,547	r43,369
1991—									
January	6,267	10,535	2,072	5,293	11,580	4	35,751	42,798	r43,043
February	6,223	10,665	1,850	5,514	r11,552	4	r35,807	r42,981	r42,767
March	7,462	12,238	2,140	4,902	13,186	5	39,933	43,012	42,666
1989-90: July to Mar.	74,977	121,195	19,856	65,313	117,371	44	398,757	..	..
1990-91: July to Mar.	70,910	130,114	19,347	56,500	109,560	48	386,479	..	..

(a) The Victorian series is currently under investigation. It is likely that small revisions will be made to the series up until August 1990. (b) See paragraph 5, Explanatory Notes. (c) 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—							
December	3,066	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	2,932	1,366	301	230	791	11	38
August	2,957	1,323	239	167	848	12	44
September	2,868	1,316	248	154	824	14	45
October	2,912	1,319	298	268	766	9	49
November	3,216	1,310	350	229	871	10	60
December	3,291	1,512	310	185	937	11	53
1991—							
January	3,408	1,544	370	263	926	14	38
February	3,035	1,279	288	185	864	8	50
1989-90 July to Feb.	23,296	10,390	2,166	1,666	6,630	87	359
1990-91 July to Feb.	24,619	10,969	2,184	1,681	6,827	89	377

(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 ten 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. 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:

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

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

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

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

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

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

Manufacturing Production, Australia, Plastics, Rubber, Paint, Detergents and Industrial Chemicals (8362.0) — issued monthly

Manufacturing Production, Australia, Transport Equipment (8363.0) — issued monthly

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

Manufacturing Production, Australia, Wood and Wood Products (8369.0) — 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

- . . not applicable
- r revised since last issue

Electronic Services

DISCOVERY. Key *656# for selected current economic, social and demographic statistics.

AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service. For further information phone the AUSSTATS Help Desk on (06) 252 6017.

TELESTATS. This service provides:

- foreign trade statistics tailored to users' requirements. Further information is available on (06) 252 5404.
- text and tables for selected Main Economic Indicator publications. Further information is available on (06) 252 5405.

Floppy disk service

Selected ABS statistics are available on floppy disk. Further information is available on (06) 252 6684.

IAN CASTLES
Australian Statistician

