

CATALOGUE NO. 8368.0

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

TABLE 1. GAS
(million megajoules)

Period	Gas available for issue through mains (340.01)									
						Australia				
	NSW and ACT	Vic.	Qld	SA	WA	Tas.	Original	Seasonally adjusted(a)	Trend(b)	
1988-89	95,819	193,823	26,691	86,546	145,518	56	548,454	..	..	..
1989-90	100,450	222,337	26,721	85,070	156,571	62	591,210	..	..	..
1990-91	95,130	194,737	26,357	73,265	146,635	68	536,193	..	..	..
1990 —										
September	8,415	15,661	2,334	6,506	12,705	6	45,627	43,549	44,962	
October	8,448	15,256	2,479	6,755	12,679	5	45,622	44,108	44,152	
November	7,402	14,088	2,298	6,315	11,196	5	41,304	44,933	43,588	
December	6,717	10,791	2,130	5,298	11,075	4	36,016	42,339	43,489	
1991 —										
January	6,267	10,376	2,072	5,293	11,580	4	35,592	43,539	43,772	
February	6,223	10,534	1,850	5,514	11,552	4	35,677	43,842	44,232	
March	7,462	12,238	2,140	4,902	13,118	5	39,864	44,123	44,634	
April	7,498	15,298	2,211	4,714	12,034	5	41,761	46,712	44,899	
May	8,652	20,742	2,473	5,750	12,755	7	50,380	47,055	45,011	
June	8,069	20,070	2,326	6,302	12,354	7	49,129	41,966	44,943	
July	10,144	21,948	2,546	8,008	12,411	8	55,066	44,169	44,801	
August	9,752	22,902	2,515	7,708	12,787	8	55,671	45,155	44,750	
September	8,524	18,594	2,559	6,341	13,034	6	49,058	46,903	44,806	
October	7,704	14,673	2,207	7,558	12,355	5	44,503	43,065	44,877	
November	7,632	13,256	2,348	6,483	12,189	4	41,912	45,563	45,014	
1990-91: July to Nov.	44,241	94,688	11,155	35,493	62,166	31	247,774	..	..	
1991-92: July to Nov.	43,756	91,373	12,176	36,098	62,776	31	246,209	..	..	

(a) See paragraph 4, Explanatory Notes. (b) See paragraph 5 to 7, Explanatory Notes.

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- * for further information about statistics in this publication and the availability of related unpublished statistics contact Kevin Squair on Canberra (06) 252 5558 or any ABS State office.
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TABLE 2. ELECTRICITY
(million kWh)

Period	Thermal(a) (351.02-04)	Hydro (351.03)	Total		
			Original (351.02-04)	Seasonally adjusted(b)	Trend(c)
1988-89	129,823	15,031	144,853	..	..
1989-90	137,191	15,765	152,956	..	..
1990-91	137,879	17,879	155,759	..	..
1990 —					
September	11,023	1,844	12,867	13,104	12,959
October	11,021	1,739	12,761	12,714	13,010
November	10,521	1,928	12,449	13,049	13,079
December	11,314	1,371	12,686	13,305	13,161
1991 —					
January	11,560	1,250	12,810	13,323	13,216
February	10,845	1,170	12,015	13,156	13,207
March	11,643	1,245	12,888	13,079	13,135
April	11,050	1,381	12,431	13,190	13,019
May	11,990	1,509	13,499	13,036	r 12,902
June	11,828	1,187	13,014	12,454	r 12,837
July	12,871	1,425	14,296	12,740	r 12,836
August	12,678	1,447	14,125	12,962	r 12,881
September	11,421	1,484	12,905	13,104	r 12,952
October	11,363	1,642	13,005	12,948	r 13,027
November	11,216	1,329	12,545	13,192	13,109
1990-91: July to Nov.	57,650	8,767	66,416	..	..
1991-92: July to Nov.	59,549	7,326	66,875	..	..

TABLE 2. ELECTRICITY—continued
(million kWh)

Period	NSW(d)	Vic (d)	Qld(d)	SA and NT(d)	WA(d)	Tas (d)	Australia
				(351.02-04)			
1988-89	51,813	36,139	25,371	10,589	11,950	8,993	144,853
1989-90	53,901	38,735	27,020	10,665	13,538	9,097	152,956
1990-91	55,346	40,225	27,961	8,878	14,239	9,110	155,759
1990 —							
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	3,219	2,136	697	1,157	655	12,015
March	4,451	3,412	2,376	696	1,230	722	12,888
April	4,343	3,271	2,262	645	1,172	739	12,431
May	4,837	3,626	2,350	719	1,167	800	13,499
June	4,654	3,426	2,260	758	1,156	761	13,014
July	5,236	3,568	2,508	906	1,231	846	14,296
August	5,095	3,556	2,503	902	1,222	847	14,125
September	4,711	3,262	2,184	815	1,166	767	12,905
October	4,562	3,179	2,483	818	1,222	740	13,805
November	4,375	3,086	2,392	833	1,161	698	12,545
1990-91: July to Nov.	24,037	16,669	11,894	3,907	5,900	4,010	66,416
1991-92: July to Nov.	23,979	16,651	12,070	4,275	6,002	3,899	66,875

(a) Includes electricity generated by diesel power stations. (b) See paragraph 4, Explanatory Notes. (c) See paragraph 5 to 7, 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 3. PETROLEUM REFINERY INPUT AND PRODUCTS(a)
(megalitres)

Period	Petroleum based feedstock(b)	Auto-motive gasoline	Aviation turbine fuel	Fuel oil	Auto-motive diesel oil	Industrial and marine diesel fuel	Bitumen
1988-89	36,018	15,913	3,338	2,272	9,774	175	582
1989-90	36,377	16,214	3,302	2,479	10,282	142	557
1990-91	37,248	16,455	3,463	2,626	10,285	173	577
1990 —							
August	2,957	1,323	239	167	848	12	44
September	2,868	1,316	248	154	824	14	45
October	3,000	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	3,413	1,543	370	267	926	14	38
February	3,035	1,279	288	185	864	8	50
March	3,325	1,415	244	258	966	36	61
April	3,083	1,380	252	197	899	23	49
May	3,384	1,433	281	237	871	10	50
June	2,744	1,259	282	249	722	15	40
July	3,152	1,470	295	248	792	8	21
August	3,189	1,459	350	260	845	15	25
September	3,189	1,460	296	249	849	11	28
October	2,926	1,060	301	190	804	10	46
1990-91: July to Oct.	11,757	5,324	1,086	819	3,229	46	176
1991-92: July to Oct.	12,456	5,449	1,242	947	3,290	44	120

(a) Produced by Australian refineries from imported and indigenous petroleum. Source: Australian Bureau of Agricultural and Research 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 8.

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 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. The electricity and gas statistics collected by the ABS cover production by all establishments predominantly engaged in the generation of electricity or the distribution of gas.

Seasonal adjustment and trend estimates

4. 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.

5. 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.

6. 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.

7. 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

8. 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

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Manufacturing Commodities : Selected Principal Articles Produced, Australia 1986-87, Preliminary (8365.0)

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

9. 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

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W. McLENNAN
Acting Australian Statistician

