



Manufacturing Production Australia

Energy Products

November 1993 - January 1994

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MANUFACTURING PRODUCTION, AUSTRALIA
ENERGY PRODUCTS
NOVEMBER 1993 - JANUARY 1994

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Australian Statistician

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INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Rod Smith on Melbourne (03) 615 7635 or any ABS office.
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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)	
1990-91	137,879	15,942	153,822	..	..
1991-92	141,071	15,342	156,413	..	..
1992-93	143,299	16,573	159,872	..	..
1992 —					
November	11,403	1,252	12,655	13,343	13,267
December	11,133	1,304	12,437	12,853	13,313
1993 —					
January	11,940	1,347	13,287	13,724	13,364
February	11,190	1,241	12,431	13,517	13,418
March	11,815	1,394	13,209	13,194	13,466
April	11,502	1,314	12,817	13,589	13,479
May	12,244	1,502	13,746	13,534	r 13,440
June	12,611	1,649	14,259	13,480	r 13,383
July	13,124	1,466	14,590	13,303	r 13,357
August	12,883	1,471	14,354	13,252	r 13,391
September	11,718	1,537	13,254	13,217	r 13,469
October	11,992	1,473	13,464	13,657	r 13,584
November	11,981	1,320	13,302	14,027	13,702
December	12,164	1,292	13,456	13,814	13,800
1994 —					
January	11,939	1,232	13,171	13,721	13,881
1992-93: July to Jan.	83,936	9,474	93,410	..	..
1993-94: July to Jan.	85,801	9,791	95,592	..	..

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
1990-91	55,346	38,288	27,961	8,878	14,239	9,110	153,822
1991-92	55,566	38,305	28,923	10,026	14,626	8,968	156,413
1992-93	57,794	37,576	30,404	10,227	r 15,007	8,864	159,872
1992 —							
November	4,099	3,366	2,533	771	1,197	689	12,655
December	4,066	3,205	2,431	811	1,252	673	12,437
1993 —							
January	5,012	3,009	2,556	738	1,316	656	13,287
February	4,598	2,767	2,430	806	1,202	628	12,431
March	4,681	2,991	2,677	830	1,327	704	13,209
April	4,677	2,923	2,495	808	1,216	698	12,817
May	5,242	3,091	2,542	834	1,267	770	13,746
June	5,550	3,164	2,557	886	1,292	810	14,259
July	5,288	3,541	2,645	965	1,326	827	14,590
August	5,123	3,490	2,661	930	1,328	821	14,354
September	4,624	3,173	2,565	874	1,247	771	13,254
October	4,674	3,258	2,683	848	1,249	752	13,464
November	4,612	3,112	2,669	944	1,262	702	13,302
December	4,650	3,224	2,662	875	1,342	703	13,456
1994 —							
January	4,710	n.p.	2,753	906	1,364	n.p.	13,171
1992-93: July to Jan.	33,047	22,640	17,703	6,063	8,703	5,254	93,410
1993-94: July to Jan.	33,681	n.p.	18,639	6,342	9,119	n.p.	95,592

(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 2. GAS
(million megajoules)

<i>Gas available for issue through mains (340.01)</i>									
<i>Period</i>	<i>NSW and ACT</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>Australia</i>		
							<i>Original</i>	<i>Seasonally adjusted(a)</i>	<i>Trend(b)</i>
1990-91	95,130	194,737	26,357	73,265	146,635	68	536,193	..	..
1991-92	95,299	202,699	27,634	78,210	149,534	63	553,438	..	..
1992-93	96,215	207,131	26,746	81,827	155,667	61	567,647	..	..
<i>1992 —</i>									
November	7,392	13,320	2,291	6,450	12,799	4	42,256	46,237	47,186
December	6,430	11,274	2,039	5,913	13,187	4	38,847	46,216	46,628
<i>1993 —</i>									
January	6,287	9,697	2,024	5,217	13,413	3	36,641	45,833	46,301
February	6,713	10,421	1,879	5,914	13,033	4	37,963	46,829	46,296
March	7,655	13,017	977	5,830	13,559	4	41,043	46,487	46,478
April	7,517	13,129	2,252	5,508	13,301	5	41,712	46,430	46,579
May	8,713	19,410	2,385	6,320	13,532	6	50,366	46,825	46,407
June	9,872	23,530	2,588	7,946	13,035	7	56,977	46,986	46,100
July	9,854	22,223	2,654	8,643	13,427	7	56,807	46,652	46,030
August	9,395	19,811	2,750	8,395	14,278	6	54,634	43,617	46,398
September	8,693	18,671	2,701	8,246	13,051	5	51,367	46,719	47,178
October	7,889	15,376	2,673	8,311	13,819	4	48,073	48,320	48,167
November	7,611	13,465	2,590	8,356	14,224	4	46,251	50,423	49,138
December	7,024	12,236	2,344	6,805	15,324	3	43,736	52,309	49,924
<i>1994 —</i>									
January	6,823	8,456	2,318	6,733	13,918	3	38,251	48,030	50,527
1992-93: July to Jan.	55,745	127,625	16,665	50,310	89,206	36	339,586	..	..
1993-94: July to Jan.	57,288	110,238	18,030	55,489	98,043	33	339,121	..	..

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

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

<i>Period</i>	<i>Petroleum based feedstock(b)</i>	<i>Auto- motive gasoline</i>	<i>Aviation turbine fuel</i>	<i>Fuel oil</i>	<i>Auto- motive diesel oil</i>	<i>Industrial and marine diesel fuel</i>	<i>Bitumen</i>
1990-91	37,162	16,454	3,464	2,623	10,284	172	577
1991-92	38,550	17,193	3,839	2,571	10,279	111	546
1992-93	r 40,090	17,730	4,178	2,498	10,603	87	620
<i>1992 —</i>							
October	3,190	1,387	359	244	864	1	44
November	r 3,046	1,336	325	190	804	14	48
December	3,496	1,485	378	223	954	2	63
<i>1993 —</i>							
January	3,556	1,620	383	272	939	4	40
February	3,079	1,404	335	105	812	22	64
March	3,442	1,523	353	259	941	13	66
April	3,437	1,434	323	216	872	4	63
May	3,485	1,573	360	161	932	7	76
June	3,329	1,486	344	178	877	3	56
July	3,438	1,502	350	186	926	6	50
August	r 3,493	1,600	379	198	944	4	37
September	3,192	1,416	359	250	933	9	36
October	3,411	1,510	385	201	951	10	54
November	3,454	1,325	375	174	927	12	63
December	3,481	1,480	383	167	956	1	72
1992-93: July to Dec.	19,763	8,690	2,080	1,307	5,230	34	255
1993-94: July to Dec.	20,469	8,833	2,231	1,176	5,637	42	312

(a) Produced by Australian refineries from imported and indigenous petroleum. Source: ABARE. (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 quarterly

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

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

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

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Manufacturing Production, Australia: Principal Commodities Produced, 1989-90 (8365.0).

Unpublished production data is also available from the ABS Sydney office. Please contact Colin Nicholson on (02) 268 4282.

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



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