

## Generation and consumption of electricity P4141

October 1999

Embargo: 13:00

Date: 2 December 1999

Read the following [notice](#) with regard to the eleven official languages

© Copyright, 1999

Users may apply or process this data, provided Statistics South Africa is acknowledged as the original source of the data; that it is specified that the application and/or analysis is the result of the user's independent processing of the data; and that neither the basic data nor any reprocessed version or application thereof may be sold or offered for sale in any form whatsoever.

Dr F M Orkin

Head: Statistics South Africa

A complete set of Stats SA publications is available in the Stats SA Library,  
and in the following public libraries:

State Library, Pretoria	Library of Parliament, Cape Town
South African Library, Cape Town	Bloemfontein Public Library
Natal Society Library, Pietermaritzburg	Johannesburg Public Library
Central Reference Library, Mmabatho	Central Regional Library, Pietersburg
Central Reference Library, Nelspruit	Central Reference Collection, Kimberley
Eastern Cape Library Services, King William's Town	

## CONTENTS

## Key findings

### Notes

### Tables

1.1 Electricity consumed in South Africa

1.2 Indices of electricity production

2. Electricity - produced, consumed in power stations, purchased and sold outside South Africa and consumed in South Africa

## ELECTRICITY CONSUMPTION INCREASES

*The consumption of electricity for the three months up to October 1999 increased by 1,7% (+816 Gigawatt-hours) after seasonal adjustment, compared with the previous three months. However, the seasonally adjusted consumption of electricity decreased slightly (-0,2%) between September 1999 and October 1999. The consumption of electricity for the first ten months of 1999 increased by 0,8% compared with the corresponding period of 1998.*

Production of electricity in South Africa for the three months up to October 1999, after seasonal adjustment, increased by 2,2% (+113 Gigawatt-hours) compared with the previous three months. The seasonally adjusted imports of electricity during this period increased by 6,1%. The seasonally adjusted exports of electricity to neighbouring countries increased by 24,4% or 243 Gigawatt-hours during this period. The production of electricity for the first ten months of 1999 decreased by 1,6% compared with the corresponding period of 1998.

## SUMMARY - ELECTRICITY CONSUMED IN SOUTH AFRICA

Period		Gigawatt-hours	Percentage change
Actual			
Aug. 1999	- Oct. 1999	48 968	+2,2
Aug. 1998	- Oct. 1998	47 911	

Seasonally adjusted			
Aug. 1999	-	Oct. 1999	47 877
May 1999	-	Jul. 1999	47 061
			+1,7

#### NOTE

This statistical release contains estimates of the total number of units of electricity consumed (as indicated by electricity available for distribution) in the Republic of South Africa (including the former TBVC states). Electricity available for distribution is measured before allowing for transmission losses.

Information regarding the number of units of electricity produced, the number of units consumed in power stations, electricity purchased and sold outside South Africa are also published in this statistical release.

According to international practice, production indices are arithmetically converted to base 1995=100.

In order to improve timeliness, some information for the current month may have been estimated due to late response. These estimates will be revised as soon as new information becomes available.

#### Pre-release policy

New estimates of economic indicators are kept strictly confidential by Stats SA prior to the date and time of release. To enable selected government departments to prepare their public responses, the following pre-release policy is applied. It accords with practice in leading statistical agencies.

In respect of this statistical release, an official representative from the Office of the President, the Deputy President, the Department of Finance, the South African Reserve Bank and the Department of Trade and Industry will receive a copy of the release on a strictly confidential basis two hours in advance of the public issue.

HISTORICAL TABLE

Gigawatt-hours

Month	94	95	96	97	1998	1999*
ACTUAL FIGURES						
J	13 176	13 782	14 155	15 009	15 403	15 153
F	12 294	12 858	13 710	14 088	14 459	14 360
M	13 593	14 145	14 361	15 155	15 714	15 791
A	12 723	13 350	14 006	15 247	14 923	15 063
M	13 892	14 687	15 315	16 423	16 261	16 327
J	14 629	14 998	15 325	16 474	16 280	16 393
J	15 255	15 440	16 862	17 187	16 867	17 050*
A	14 893	14 994	16 151	16 303	16 417	16 707*
S	13 719	13 939	14 698	15 503	15 536	15 956*
O	14 018	14 306	15 356	16 005	15 958	16 305
N	13 752	14 070	14 792	15 235	15 136	
D	13 366	13 534	14 207	14 878	14 563	
YEAR	165 310	170 103	178 938	187 507	187 517	
SEASONALLY ADJUSTED FIGURES						
J	13 485	14 094	14 472	15 309	15 757	15 503
F	13 549	14 148	15 050	15 431	15 817	15 690
M	13 605	14 147	14 319	15 092	15 668	15 746
A	13 443	14 113	14 784	16 078	15 725	15 854
M	13 551	14 281	14 802	15 826	15 656	15 735
J	13 808	14 169	14 518	15 658	15 519	15 677
J	13 914	14 087	15 407	15 719	15 447	15 649
A	13 938	14 076	15 220	15 383	15 549	15 849
S	13 855	14 097	14 861	15 641	15 612	16 030
O	13 866	14 151	15 183	15 762	15 655	15 998
N	14 101	14 429	15 192	15 675	15 569	
D	14 192	14 402	15 159	15 936	15 598	

TABLE 1.2 INDICES OF ELECTRICITY PRODUCTION  
HISTORICAL TABLE

Base : 1995=100

Month	1994	1995	1996	1997	1998	1999
ACTUAL INDICES						
J	92,7	97,5	100,6	108,3	109,6	106,9
F	86,7	90,7	98,5	101,5	102,8	100,5
M	96,1	99,8	103,6	109,5	110,6	109,4

A	90,1	93,9	100,5	109,6	105,5	101,7
M	98,5	102,6	109,9	117,8	115,4	110,6
J	103,2	105,2	110,1	118,3	115,4	111,6
J	107,5	108,7	121,1	124,1	119,9	117,4
A	105,2	105,6	115,8	118,0	111,9	114,9
S	97,2	98,5	105,7	112,9	109,1	109,4
O	99,4	101,4	110,7	115,8	112,6	111,9
N	97,2	99,9	107,3	110,0	106,2	
D	94,5	96,2	102,7	106,7	101,3	
YEAR	97,4	100,0	107,2	112,7	110,0	
SEASONALLY ADJUSTED INDICES						
J	95,0	99,8	102,9	110,7	112,0	109,2
F	95,5	99,6	107,8	110,8	112,0	109,4
M	96,3	100,2	104,2	110,4	111,7	110,6
A	95,2	99,2	106,1	115,6	111,2	107,2
M	96,0	99,6	106,3	113,6	111,1	106,4
J	97,4	99,5	104,5	112,6	110,2	106,7
J	98,1	99,2	110,6	113,4	109,7	107,4
A	98,5	99,2	109,1	111,3	105,7	108,7
S	98,1	99,4	106,5	113,5	109,4	109,6
O	98,2	100,1	109,0	113,6	110,2	109,4
N	99,3	102,1	109,7	112,6	108,8	
D	100,1	102,1	109,1	113,8	108,2	

1/ As indicated by electricity available for distribution

\* Revised by Eskom

**TABLE 2 ELECTRICITY - PRODUCED, CONSUMED IN POWER STATIONS, PURCHASED AND SOLD OUTSIDE SOUTH AFRICA AND CONSUMED IN SOUTH AFRICA**

Gigawatt-hours

DESCRIPTION	Year 1998	October	September	October	January - October	
		1999	1998	1998	1999	1998
TOTAL - ALL PRODUCERS						
ELECTRICITY PRODUCED						
Actual figures	205 374	17 404	17 011	17 520	170 218	173 088
Seasonally adjusted figures		17 022	17 087	17 149	-	-
PURCHASED OUTSIDE SOUTH AFRICA	2 375	688	679	161	5 238	1 890

CONSUMED IN POWER STATIONS AND AUXILIARY SYSTEMS	15 701	1 347	1 254	1 324	12 842	13 397
SOLD OUTSIDE SOUTH AFRICA	4 532	440*	480*	400	3 509	3 764
ELECTRICITY CONSUMED IN SOUTH AFRICA 1/ Actual figures	187 517	16 305*	15 956*	15 958	159 105	157 818
Seasonally adjusted figures		15 998	16 030	15 655	-	-

ESKOM						
-----						
ELECTRICITY PRODUCED						
Actual figures	193 662	16 547	16 122	16 510	161 405	163 140
Seasonally adjusted figures		16 185	16 206	16 164	-	-
PURCHASED OUTSIDE SOUTH AFRICA	2 375	688	679	161	5 238	1 890
CONSUMED IN POWER STATIONS AND AUXILIARY SYSTEMS	14 394	1 245	1 153	1 205	11 876	12 286
SOLD OUTSIDE SOUTH AFRICA	4 532	440	480*	400	3 509	3 764
ELECTRICITY CONSUMED IN SOUTH AFRICA 1/ Actual figures	177 111	15 550	15 168*	15 066	151 258	148 980
Seasonally adjusted figures		15 253	15 243	14 777	-	-

1/ As indicated by electricity available for distribution

\* Revised BY ESKOM