

## Generation and consumption of electricity P4141

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### **MORE ELECTRICITY CONSUMED**

*Electricity consumed in South Africa showed an increase of 1,7% after seasonal adjustment for January 1997 compared with December 1996 after levelling-off during the last half of 1996.*

The seasonally adjusted quantity of electricity generated reached a high in January 1997 (17 217 gigawatt-hours). Since the middle of 1996 the demand for electricity from outside the borders of South Africa is maintaining a level of approximately 3,0% of total electricity generated.

### **UPDATING OF TIME SERIES DATA**

**The results of the 1995 Census of Electricity have been used to benchmark the monthly time series data on electricity production and consumption for the period January 1993 to December 1996. The effect of the benchmarking is that the figures for electricity produced and consumed for 1995 differ by -0,8% from those previously published by the CSS mainly due to the adjustment of the data on "other" producers.**

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**SUMMARY - ELECTRICITY CONSUMED IN SOUTH AFRICA**

Period			Gigawatt-hours	Percentage change
Actual				
Nov. 1996	-	Jan. 1997	44 005	+5,4
Nov. 1995	-	Jan. 1996	41 759	
Seasonally adjusted				
Nov. 1996	-	Jan. 1997	45 468	+0,3
Aug. 1996	-	Oct. 1996	45 315	

**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 on the number of units of electricity produced, the number of units consumed in power stations, electricity purchased and sold outside South Africa are also shown.

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 better information is available.

**TABLE 1.1 - ELECTRICITY CONSUMED IN SOUTH AFRICA 1/  
HISTORICAL TABLE**

Gigawatt-hours

Month	1992	1993*	1994*	1995*	1996*	1997
<b>ACTUAL FIGURES</b>						
J	12 354	12 762	13 176	13 782	14 155	15 007
F	11 881	11 802	12 294	12 858	13 711	
M	12 605	13 232	13 593	14 145	14 361	
A	12 085	12 578	12 723	13 350	14 006	
M	12 985	13 430	13 892	14 687	15 315	
J	13 451	14 084	14 629	14 998	15 325	
J	14 029	14 519	15 255	15 440	16 862	
A	13 748	14 194	14 893	14 994	16 151	
S	12 806	13 374	13 719	13 939	14 698	
O	13 245	13 480	14 018	14 306	15 356	
N	12 615	13 091	13 752	14 070	14 791	
D	12 279	12 813	13 366	13 534	14 207	
YEAR	154 083	159 359	165 310	170 103	178 938	
<b>SEASONALLY ADJUSTED FIGURES</b>						
J	12 648	13 070	13 496	14 086	14 446	15 313
F	13 176	13 065	13 579	14 195	15 125	
M	12 666	13 257	13 584	14 131	14 342	

A	12 708	13 248	13 410	14 100	14 805
M	12 740	13 161	13 600	14 369	14 978
J	12 746	13 303	13 783	14 117	14 420
J	12 786	13 229	13 898	14 069	15 364
A	12 815	13 245	13 925	14 031	15 117
S	12 916	13 535	13 910	14 168	14 959
O	12 999	13 290	13 870	14 179	15 239
N	12 937	13 414	14 065	14 374	15 101
D	13 033	13 599	14 158	14 333	15 054

**TABLE 1.2 - INDICES OF ELECTRICITY PRODUCTION  
HISTORICAL TABLE**

Base : 1990=100

Month	1992	1993*	1994*	1995*	1996*	1997
<b>ACTUAL INDICES</b>						
J	97,2	101,8	104,6	110,0	113,5	122,2
F	93,9	93,6	97,8	102,4	111,1	
M	99,8	104,9	108,4	112,7	116,9	
A	95,3	99,8	101,7	105,9	113,5	
M	103,1	106,9	111,2	115,8	124,1	
J	106,8	112,5	116,4	118,7	124,3	
J	110,5	115,4	121,3	122,7	136,7	
A	108,8	113,1	118,7	119,2	130,7	
S	101,2	106,8	109,7	111,1	119,2	
O	104,6	107,4	112,2	114,4	124,9	
N	100,4	104,0	109,7	112,7	121,1	
D	97,8	101,4	106,6	108,6	115,9	
YEAR	101,6	105,6	109,9	112,9	121,0	
<b>SEASONALLY ADJUSTED INDICES</b>						
J	99,8	104,4	107,2	112,5	116,0	124,9
F	103,8	103,3	107,7	112,7	122,3	
M	100,3	105,1	108,3	112,5	116,6	
A	100,7	105,5	107,5	112,1	120,2	
M	100,9	104,5	108,5	113,0	121,0	
J	101,1	106,2	109,7	111,8	117,1	
J	100,9	105,4	110,7	112,0	124,8	
A	101,3	105,5	111,1	111,7	122,6	
S	102,0	108,0	111,0	112,6	120,9	
O	102,7	105,9	110,9	113,3	123,8	
N	102,7	106,4	112,0	114,9	123,4	
D	103,5	107,4	112,8	115,0	122,8	

1/ As indicated by electricity available for distribution

\* Revised according to the results of the 1995 Census of Electricity, gas and steam

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

Gigawatt-hours

DESCRIPTION	Year 1996 *	January	December	January
		1997	1996	
<b>TOTAL - ALL PRODUCERS</b>				
ELECTRICITY PRODUCED				
Actual figures	200 092	16 838	15 975	15 642
Seasonally adjusted figures		17 217	16 924	15 991
PURCHASED OUTSIDE SOUTH AFRICA	29	-	-	1
CONSUMED IN POWER STATIONS AND AUXILIARY SYSTEMS	15 604	1 324	1 255	1 216
SOLD OUTSIDE SOUTH AFRICA	5 579	508	513	272
ELECTRICITY CONSUMED IN SOUTH AFRICA 1/				
Actual figures	178 938	15 007	14 207	14 155
Seasonally adjusted figures		15 313	15 054	14 446
<b>ESKOM</b>				
ELECTRICITY PRODUCED				
Actual figures	189 187	15 889	15 082	14 924
Seasonally adjusted figures		16 188	15 988	15 214
PURCHASED OUTSIDE SOUTH AFRICA	29	-	-	1
CONSUMED IN POWER STATIONS AND AUXILIARY SYSTEMS	14 309	1 243	1 177	1 129
SOLD OUTSIDE SOUTH AFRICA	5 579	508	513	272
ELECTRICITY CONSUMED IN SOUTH AFRICA 1/				
Actual figures	169 326	14 138	13 392	13 523
Seasonally adjusted figures		14 398	14 201	13 780

1/ As indicated by electricity available for distribution

\* Revised according to the results of the 1995 Census of Electricity, gas and steam

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