

WATER SUPPLIES

The quantities and source of water used in the power stations in the Commission's Undertakings are shown in the table on the next page.

Water drawn from the Vaal River decreased from 34·2 million gallons per day in 1968 to 33·8 million gallons per day during 1969 in spite of an increase of 4·1 per cent in the units generated by the power stations that derive their cooling water from this source.

The reason for this is two-fold, first, a portion of these units were generated at the Grootvlei Power Station which is more economical in the use of water, but mainly the saving is due to the installation of acid treatment and clarification plant which has reduced considerably the necessity to blow down the cooling tower ponds.

The saving in water due to the installation of this plant amounted to more than 900 million gallons during 1969.

(Millions of Gallons)

Undertakings	Potable Water		Crude River Water		Water from other Sources including Boreholes, Dams and Sewage		Sea Water Circulated (Estimated)	
	1969	1968	1969	1968	1969	1968	1969	1968
Cape Western								
Cape Town Municipality	80	76	80	76				
Worcester Municipality	309	307	309	307				
Sea Water (estimated)							74 000	69 000
	389	383	389	383			74 000	69 000
Border								
East London Municipality	25	28	25	28				
Sea Water (estimated)							20 900	19 300
	25	28	25	28			20 900	19 300
Natal								
Durban Municipality	847	886	847	886				
Sea Water (estimated)							53 951	54 000
Tugela			438	645				
Ngagane			1 855	1 514				
	847	886	3 140	3 045			53 951	54 000
Rand & O.F.S. and Eastern Transvaal								
Vaal River	204	182	12 350	12 485				
Olifants River	11	12	625	806				
Bronkhorstspuit			1 493	1 414				
Komati			4 752	4 377				
Usutu Complex			4 571	3 487				
Other	—	14			1	11		
	215	208	23 791	22 569	1	11		
Total—All Undertakings	1 476	1 505	27 345	26 025	1	11	148 851	142 300