



How to reduce your electricity account



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LIGHTING THE WAY

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Before considering ways and means of reducing your electricity account one should first consider the cost of operating the various types of domestic appliances. The following table details the average cost of electricity consumed by the various electrical appliances used in the home. (kWh cost is based on 44.39 average)

Electrical appliances/devices		Rating (kW)	Cost per hour (cents)
	Lamp: 100 watt	0.1	4.44
	75 watt	0.075	3.33
	60 watt	0.06	2.66
	40 watt	0.04	1.78
	Stove: Small hot plate (on high)	1.3	66.59
	Small hot plate (in low)	0.357	15.85
	Large hot plate (on high)	2.0	88.78
	Large hot plate (on low)	0.5	22.20
	Oven (approximately 200 °C)	2.0	88.78
Dish washer		1.0	44.39
	Electric blanket: (Pre heat)	0.05	2.22
	(All night setting)	0.015	0.67
Electric frying pan		1.5	66.59
Fan		0.07	3.11
Floor polisher/vacuum cleaner		1.0	44.39
Hair dryer		0.5	22.20
Hi-Fi equipment		0.2	8.88
Iron		0.5	22.20
Kettle		2.0	88.78
Microwave		1.3	57.71
Personal computer		0.05	2.22
Power drill		0.25	11.10
Deep freeze		0.2	8.88
Refrigerator		0.1	4.44
Sewing machine		0.07	3.11
Slow machine		0.15	6.66
	Space heating: 1- Bar heater	1.00	44.39
	2- Bar heater	2.00	88.78
Swimming pool pump		1.0	44.39
Television set		0.3	13.32
Tumble dryer		3.0	133.17
	Washing machine: (Hot wash)	1.0	44.39
	(Cold wash)	0.5	22.20

Cost of hot water	Usage	Cost (cents)
	Bath (12cm)	96.10
	Shower (5min)	48.1

1 kW= 1000 watts and 1 kWh=1 unit is equivalent to 1000 watts being used for 1 hour or 500 watts being used for two hours or 2000 watts being used for half an hour.

Due to the water heater having an element of relatively high rating and this element being energized for long periods each day the water heater is the largest user of electricity, so are the stoves and, in some households, space heaters in winter.

Therefore, by reducing the use of the hot water cylinder, stove and space heaters, an appreciable reduction in total overall consumption can be made. An analysis of the monthly cost of operating the different classes of appliances in a typical home is given below:

	Charge per unit (cents)	Summer cost		Winter cost	
		units p/m	R p/m	units p/m	R p/m
Hot water	44.39	311	138.09	352	156.25
Stove	44.39	70	31.07	104	46.16
Space heating	44.39	-	0.00	200	88.78
Appliances	44.39	104	46.16	104	46.16
Lights	44.39	35	15.53	70	31.07
Swimming pool	44.39	120	53.26	46	20.4
Monthly consumption kWh	44.39	640	284.09	876	388.85

For more info: Call centre (24 hrs) on (011) 375-5555
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Hoe om u elektrisiteitsrekening te verminder

Wanneer u dit oorweeg om u elektrisiteitsrekening te verminder moet u kennis neem van die kostes verbonde aan die verbruik van sekere huishoudelike toestelle. Die onderstaande tabel toon die gemiddelde koste van die elektrisiteit verbruik van verkeie huishoudelike toestelle. (Die koste per kWh is gebaseer op 'n gemiddelde prys van 44.39 sent.)

Elektriese toestel		Aanslag (kW)	Koste per uur (sent)
	Lamp: 100 watt	0.1	4.44
	75 watt	0.075	3.33
	60 watt	0.06	2.66
	40 watt	0.04	1.78
	Stoof: Klein warmplaat (stelling: hoog)	1.5	66.59
	Klein warmplaat (stelling: laag)	0.337	15.83
	Groot warmplaat (stelling: hoog)	2.0	88.78
	Groot warmplaat (stelling: laag)	0.5	22.20
	Oond (ongeveer 200 °C)	2.0	88.78
Skottelgoedwasser		1.0	44.39
	Voorverwarming	0.05	2.22
	Deurnagstelling	0.015	0.67
	Elektriese braaipan	1.5	66.59
	Waaier	0.07	3.11
Vloerpolesander/stofsuier		1.0	44.39
	Haardroër	0.5	22.20
	Hoëtroutoerusting	0.2	8.88
	Strykyster	0.5	22.20
	Ketel	2.0	88.78
	Mikrogolfoond	1.3	57.71
	Persoonlike rekenaar	0.05	2.22
	Kragboor	0.25	11.10
	Vrieskas	0.2	8.88
	Yskas	0.1	4.44
	Naaimasjien	0.07	3.11
	Prutpot	0.15	6.66
	Ruimteverwarmer: Enkelstaaf	1.00	44.39
	Dubbelstaaf	2.00	88.78
	Swembadpomp	1.0	44.39
	Telesiesel	0.3	13.32
	Tuimeldroër	3.0	133.17
	Wasmasjien: (Warm was)	1.0	44.39
	(Koue was)	0.5	22.20

Koste van warm water	Verbruik	Koste (sent)
	Bad (12cm)	96.10
	Stort (5min)	48.1

1 Kw = 1000 watt en 1 kWh (1 eenheid) is gelyk aan 'n verbruik van 1000 watt vir 1 uur, 500 watt vir 2 uur of 2000 watt vir 'n halfuur.

Aangesien 'n waterverwarmer 'n element met 'n betreklik hoë weerstand het en vir lang tydperke die water verhit is die waterverwarmer die grootste verbruiker van elektrisiteit, nes die stoof en, in sommige huishoudings 'n verwarmer in die winter.

Die totale gemiddelde verbruik van elektrisiteit kan dus aansienlik verminder word deur die waterverwarmer, stoof en verwarmer minder te gebruik. Hieronder volg 'n ontleding van wat dit 'n gemiddelde huishouding per maand kos om die verskillende soorte toestelle te gebruik.

	Sent per eenheid	Somerkoste		Winterkoste	
		Eenhede p/m	R p/m	Eenhede p/m	R p/m
Warm water	44.39	311	138.05	352	156.25
Stoof	44.39	70	31.07	104	46.16
Ruimteverwarming	44.39	-	0.00	200	88.78
Toestelle	44.39	104	46.16	104	46.16
Ligte	44.39	35	15.53	70	31.07
Swembad	44.39	120	53.26	46	20.4
Maandelikse verbruik kWh	44.39	640	284.09	876	388.85

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