



Tariffs & Charges July to December 2002



Foreword

On 14 September 2001 Eskom published its proposed structural tariff changes for 2002 in the Government Gazette. Information on the proposed changes was shared with customers at various forums before the National Electricity Regulator (NER) held a public hearing on 6 December 2001. At this hearing, customers were given an opportunity to voice their concerns.

The principles proposed were not disputed, but in view of the customers' concerns, the NER requested Eskom to review some of the proposals to minimise the impact on individual customers and customer categories. This made it impossible for Eskom to implement the structural changes from 1 January 2002 and the NER Board approved that structural implementation proceed on 1 July 2002.

Therefore, on 1 January 2002 the average price of electricity supplied by Eskom rose by 6,2% with no structural adjustment.

Eskom made the recommended changes, which were subsequently approved by the NER at their Board meeting of 26 April 2002. As from 1 July 2002 the revised structural changes will be in operation.

Even though the tariff changes have been designed to result in no net revenue increase for Eskom, some customers will experience an effective price increase of either above or below the average price increase, depending on the customer's particular tariff class and usage pattern.

Deon Conradie

Electricity Pricing Manager

Contact numbers

contact numbers

Eskom Contact Centres	Telephone	Fax	E-mail
Bloemfontein	0860 535 535	(051) 404-2627	north.western@eskom.co.za
Braamfontein	0860 110 124	(011) 405-6013	central@eskom.co.za
East London	0860 140 014	(043) 703-2929	southern@eskom.co.za
George	0800 411 400	(021) 915-2867	western@eskom.co.za
Pambale Nombane	0801 212 522	(021) 362-1589	western@eskom.co.za
Peninsula	0801 212 433	(021) 915-2867	western@eskom.co.za
Phalaborwa	0860 100 383	(015) 299-0400	northern@eskom.co.za
Pietersburg	0860 100 381	(015) 299-0400	northern@eskom.co.za
Rustenburg	0860 100 382	(015) 299-0400	northern@eskom.co.za
Thohoyandou	0860 100 384	(015) 299-0400	northern@eskom.co.za
Weskus	0801 212 455	(021) 915-2867	western@eskom.co.za
Westville	0860 204 560	(031) 204-5850	eastern@eskom.co.za
Witbank	0860 001 414	(013) 693-3886	north.eastern@eskom.co.za

Eskom Advisory Services	Telephone	Website
ElektroWise	Eskom Contact Centres	N/A
ElektroServe	0800 002 079	www.elektrosolve.co.za
Agrelek	(033) 343 5900	www.agrelek.co.za
Industrelek	0800 036 333	www.industrelek.co.za
New Business Development	(011) 800-5728	www.eskom.co.za/nbd

For the latest contact details and tariff information visit our website at www.eskom.co.za/tariffs

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NIGHTSAVE Urban

Electricity tariff for urban, customers with supplies of 25 kW/kVA and above

Nightsave (Urban) is a tariff applicable to urban₁ customers with a NMD of at least 25 kW/kVA, who can move all or part of their electricity demand to Eskom's off-peak period between 22:00 and 06:00 on weekdays and the entire Saturday, Sunday and public holidays.

Connection fee:

Refer to Table I on page 30.

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariff, a monthly charge and/or up-front payment may be applied in addition to the standard tariffs.

Where applicable, the monthly charge for all existing and new connections will be subject to a rebate (not beyond extinction) at R2,00 per kVA or kW of chargeable demand.

Service charge:

Charged per account and is based on the sum of the utilised capacity of all POD's linked to an account.

≤ 100 kVA	R 30,09 + VAT =	R 34,30
> 100 kVA and ≤ 500 kVA	R 419,63 + VAT =	R 478,38
> 500 kVA and ≤ 1 MVA	R 1 267,62 + VAT =	R 1 445,09
> 1 MVA	R 1 270,27 + VAT =	R 1 448,11
Key customers	R 6 645,36 + VAT =	R 7 575,71

Administration charge:

Determined by, and payable for, the utilised capacity of each POD linked to an account.

≤ 100 kVA	R 66,83 + VAT =	R 76,19
> 100 kVA and ≤ 500 kVA	R 117,26 + VAT =	R 133,68
> 500 kVA and ≤ 1 MVA	R 918,86 + VAT =	R 1 047,50
> 1 MVA	R 923,02 + VAT =	R 1 052,24
Key customers	R 960,57 + VAT =	R 1 095,05

Demand charge:

Payable for each kVA or kW of the maximum chargeable demand supplied during the month.^{1,2}

High-demand season (June - August)	Low-demand season (September - May)
R26,15 + VAT = R29,81/kVA	R10,66 + VAT = R12,15/kVA
R30,77 + VAT = R35,08/kW	R12,54 + VAT = R14,30/kW

Demand charge notes:

- **kVA** measured over **30-minute integrating periods** of maximum chargeable demand supplied during peak periods per month.
- **kW** measured over **60-minute integrating periods** of maximum chargeable demand supplied during peak periods per month.
- Where a kW charge is applicable, the power factor under all loading conditions shall not be less than 0,85 lagging and shall not lead under any circumstances.
- No demand charge is applicable during off-peak periods, subject to the correct metering being installed.

Active energy charge:**High-demand season (June - August) Low-demand season (September - May)**12,42c + VAT = **14,16c/kWh**9,16c + VAT = **10,44c/kWh****Voltage surcharge:**

Calculated as a percentage of demand and active energy charges.

Supply voltage	Surcharge
> 132 kV	0,00%
≥ 66 kV and ≤ 132 kV	7,63%
≥ 500 V and < 66 kV	10,07%
< 500 V	17,30%

Transmission surcharge:

Calculated as a percentage of demand and active energy charges after the voltage surcharge has been levied, depending on the distance from Johannesburg. (Refer to definitions page 32)

Time periods:

Refer to page 28.

1 Customers previously supplied in terms of Eskom's Rand and Orange Free State Licence 1983, with supply agreements originally concluded before 1 January 1984, can have their maximum demand measured in kW. Unless or until they request that their maximum demand be measured in kVA, this will be determined in kW.

2 From April 1998 Eskom introduced charges for excess demand, at the same rate as above. Excess demand will be calculated as follows: Excess demand = Actual demand in kVA x 0,85 – Actual demand in kW.

MEGAFLEX

TOU electricity tariff for urban, customers with supplies greater than 1 MVA

Megaflex is a tariff applicable to urban, customers with supplies greater than 1 MVA and who can shift their load to defined time periods.

Connection fee:

Refer to Table 1 on page 30.

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariff, a monthly charge and/or up-front payment may be applied in addition to the standard tariffs.

Where applicable, the monthly charge for all existing and new connections will be subject to a rebate (not beyond extinction) at R2,00 per kW of chargeable demand.

Service charge:

Charged per account and is based on the sum of the utilised capacity of all POD's linked to an account.

> 1 MVA R 1 270,27 + VAT = R 1 448,11

Key customers R 6 645,36 + VAT = R 7 575,71

Administration charge:

Determined by, and payable for, the utilised capacity of each POD linked to an account.

> 1 MVA R 846,84 + VAT = R 965,40

Key customers R 888,21 + VAT = R 1 012,56

Demand charge:

R8,17 + VAT = R9,31/kW

Payable for each kW of the **maximum chargeable demand** supplied during the month measured over **30 minutes integrating periods**, payable in peak or standard periods on weekdays and Saturdays. No demand charge is applicable during the off-peak periods.

Active energy charge:

High-demand season (June - August)

45,49c + VAT = 51,86c/kWh

13,11c + VAT = 14,95c/kWh

7,76c + VAT = 8,85c/kWh

Peak
Standard
Off-peak

Low-demand season (September - May)

13,92c + VAT = 15,87c/kWh

9,21c + VAT = 10,50c/kWh

6,94c + VAT = 7,91c/kWh

Reactive energy charge:

2,85c + VAT = 3,25c/kvarh

Supplied in excess of 30% (0,96 PF) of kWh recorded during peak and standard periods. The excess reactive energy is determined per 30-minute integrating period and accumulated for the month.

Voltage surcharge:

Calculated as a percentage of demand and active energy charges.

Supply voltage	Surcharge
> 132 kV	0,00%
≥ 66 kV and ≤ 132 kV	7,63%
≥ 500 V and < 66 kV	10,07%
< 500 V	17,30%

Transmission surcharge:

Calculated as a percentage of the demand, active and reactive energy charges after the voltage surcharge has been levied, depending on the distance from Johannesburg. (Refer to definitions page 32)

Time periods:

Refer to page 28

MINIFLEX

TOU electricity tariff for urban, customers with supplies of 100 kVA to 5 MVA

Miniflex is a tariff applicable to urban, customers with supplies of 100 kVA to 5 MVA and who can shift their load to defined time periods.

Connection fee:

Refer to Table I on page 30.

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariff, a monthly charge and/or up-front payment may be applied in addition to the standard tariffs.

Where applicable, the monthly charge for all existing and new connections will be subject to a rebate (not beyond extinction) at 1,81c per kWh of all energy consumed during peak periods.

Service charge:

Charged per account and is based on the sum of the utilised capacity of all POD's linked to an account.

≤ 100 kVA	R 76,47 + VAT = R 87,18
> 100 kVA and ≤ 500 kVA	R 419,63 + VAT = R 478,38
> 500 kVA and ≤ 1 MVA	R 1 267,62 + VAT = R 1 445,09
> 1 MVA	R 1 270,27 + VAT = R 1 448,11
Key customers	R 6 645,36 + VAT = R 7 575,71

Administration charge:

Determined by, and payable for, the utilised capacity of each POD linked to an account.

≤ 100 kVA	R 59,72 + VAT = R 68,08
> 100 kVA and ≤ 500 kVA	R 107,11 + VAT = R 122,11
> 500 kVA and ≤ 1 MVA	R 822,45 + VAT = R 937,59
> 1 MVA	R 822,45 + VAT = R 937,59
Key customers	R 821,03 + VAT = R 935,97

Active energy charge:

High-demand season (June - August)		Low-demand season (September - May)
45,47c + VAT = 51,84c/kWh	Peak	15,08c + VAT = 17,19c/kWh
14,30c + VAT = 16,30c/kWh	Standard	10,54c + VAT = 12,02c/kWh
9,16c + VAT = 10,44c/kWh	Off-peak	8,37c + VAT = 9,54c/kWh

Reactive energy charge:

$$1,43c + VAT = 1,63c/kvarh$$

Supplied in excess of 30% (0,96 PF) of the kWh recorded during the entire billing period. The excess reactive energy is determined using the billing period totals.

Voltage surcharge:

Calculated as a percentage of active energy charges.

Supply voltage	Surcharge
> 132 kV	0,00%
≥ 66 kV and ≤ 132 kV	7,63%
≥ 500 V and < 66 kV	10,07%
< 500 V	17,30%

Transmission surcharge:

Calculated as a percentage of the active and reactive energy charges after the voltage surcharge has been levied, depending on the distance from Johannesburg. (Refer to definitions page 32)

Time periods:

Refer to page 28.

BUSINESSRATE

Electricity tariff for small businesses in urban areas

The Businessrate range of tariffs is applicable to urban supplies with a NMD of 100 kVA or less. Typical customers are small businesses, but the tariff can also be applied to governmental institutions or similar supplies.

Businessrate 1, 2, 3:

Suitable for supplies where consistently **more** than 565 kWh per month is used. The basic charge and network charge is payable each month and is graded according to the NMD of the supply.

Businessrate 1 for supplies ≤ 25 kVA (NMD 25 kVA)

Businessrate 2 for supplies > 25 kVA and ≤ 50 kVA (NMD 50 kVA)

Businessrate 3 for supplies > 50 kVA and ≤ 100 kVA (NMD 100 kVA)

Businessrate 4:

Suitable for supplies where consistently **less** than 565 kWh per month is used, for example small businesses with low usage. There is no basic charge or network charge on Businessrate 4.

Businessrate 4 for supplies ≤ 25 kVA (NMD 25 kVA)

Prepayment supplies:

The prepayment supply option will not be offered on Businessrate 3. Also take note of the following technical requirements:

Tariff	Phase of Supply	Amperage
Businessrate 1	Single phase	60 A
Businessrate 2	Three phase	80 A
Businessrate 4	Single phase	60 A

Connection fees:

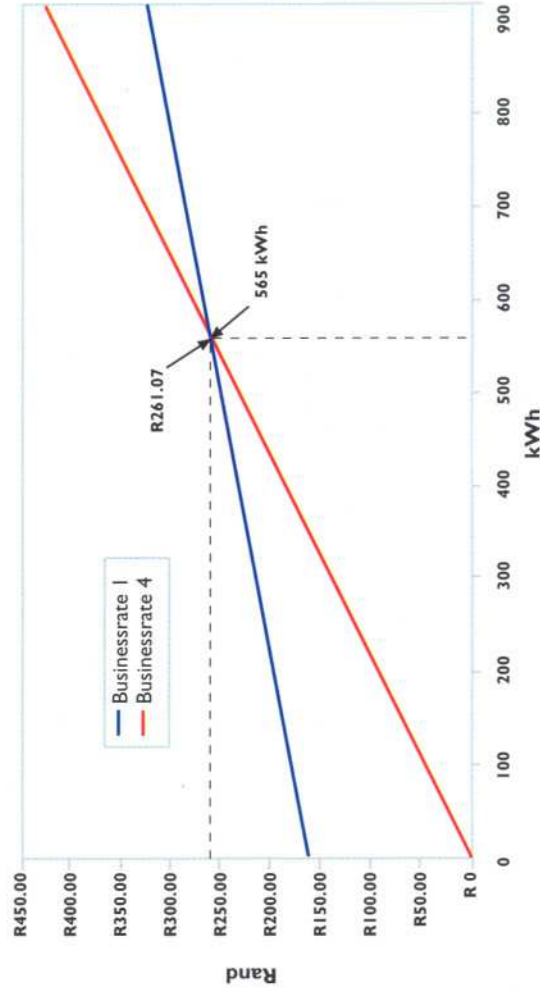
Different rates will apply to conventional and prepayment technology. Refer to Table 1 on page 30.

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariffs, a monthly charge and/or up-front payment may be applied in addition to the standard tariffs.

Charges:	Basic charge (per month)	Network charge (per month)	Energy charge (per unit)
Businessrate 1	R 94,20 + VAT = R107,39	R 62,78 + VAT = R 71,57	18,42c + VAT = 21,00c/kWh
Businessrate 2	R 94,20 + VAT = R107,39	R 113,37 + VAT = R 129,24	18,42c + VAT = 21,00c/kWh
Businessrate 3	R 94,20 + VAT = R107,39	R270,27 + VAT = R308,11	18,42c + VAT = 21,00c/kWh
Businessrate 4	N/A	N/A	46,20c + VAT = 52,67c/kWh

Comparing Businessrate 1 and Businessrate 4



The break-even point between Businessrate 1 and 4 is 565 kWh/month.

- If less than 565 kWh/month is used, Businessrate 4 is cheaper than Businessrate 1.
- If more than 565 kWh/month is used, Businessrate 1 is cheaper than Businessrate 4.

HOMEPOWER

Electricity tariff for medium to high-usage residential customers

Homepower is a tariff applicable to medium to high-usage residential customers, churches, schools, halls, old age homes or similar premises. For prepaid supplies only single phase supplies limited to 60 A will be offered.

Connection fees:

Different rates will apply to conventional and prepayment technology. Refer to Table 3 on page 30.

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariff, a monthly charge and/or up-front payment may be applied in addition to the standard tariffs.

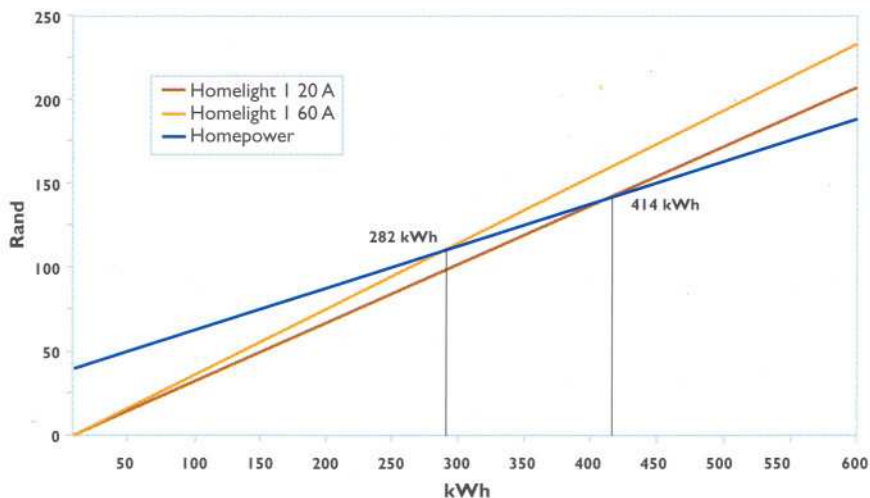
Basic charge:

R38,96 + VAT = **R44,41** is payable each month for each point of delivery, whether electricity is consumed or not.

Energy charge:

A single energy charge of 25,76c + VAT = **29,37c/kWh**

Comparison of residential tariffs:



The break-even point between Homelight I (60 A) and Homepower is 282 kWh/month.

- If less than 282 kWh/month is used, Homelight I (60 A) is cheaper than Homepower.
- If more than 282 kWh/month is used, Homepower is cheaper than Homelight I (60 A).

HOMELIGHT

Electricity tariff for low-usage residential customers

The Homelight range of tariffs is applicable to single-phase, low-usage residential supplies, but can also be applied to churches, schools, halls or similar premises with low usage. The tariff has different energy rates based on the supply capacity required and provides for a subsidy to low-usage customers.

Connection fees:

Different rates will apply to conventional and prepayment technology. Refer to Table 3 on page 30.

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariff, an up-front payment may be applied in addition to the standard tariffs.

For this tariff the capital costs will be offset by the current capital allowance, based on the electrification's programme cost per connection, and is as follows:

Homelight 1 R 2 150,00 + VAT = **R2 451,00**

Homelight 2 R 1 000,00 + VAT = **R1 140,00**

Energy charge:

Homelight 1 **2.5 A:** 35,17c + VAT = **40,09c/kWh**

20 A: 35,17c + VAT = **40,09c/kWh**

60 A: 39,56c + VAT = **45,10c/kWh**

Homelight 2 **20 A:** 30,54c + VAT = **34,82c/kWh**

60 A: 34,93c + VAT = **39,82c/kWh**

Maximum wattage:

Any combination of appliances can be used at the same time as long as the power limit does not exceed a maximum of **525 W for 2.5 A** limited supplies, **4 200 W for 20 A** limited supplies and **12 500 W for 60 A** limited supplies.

NIGHTSAVE Rural

Electricity tariff for rural, customers with supplies of 25 kW/kVA and above

Nightsave (Rural) is a tariff applicable to rural, customers with a NMD of at least 25 kW/kVA, with a supply voltage ≤ 22 kV* and who can move all or part of their electricity demand to Eskom's off-peak period between 22:00 and 06:00 on weekdays and the entire Saturday and Sunday.

Connection fee:

Refer to Table 2 on page 30.

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariff, a monthly charge and/or up-front payment may be applied in addition to the standard tariffs.

Where applicable**, the monthly charge for all existing connections will be subject to a rebate (not beyond extinction) at R2,00 per kVA or kW of chargeable demand.

For this tariff the capital cost will be offset by the current line and capacity allowance included in the tariff.

Service charge:

Charged per account and is based on the sum of the utilised capacity of all POD's linked to an account.

≤ 100 kVA	R 119,13 + VAT = R 135,81
> 100 kVA and ≤ 500 kVA	R 419,63 + VAT = R 478,38
> 500 kVA and ≤ 1 MVA	R 1 267,62 + VAT = R 1 445,09
> 1 MVA	R 1 270,27 + VAT = R 1 448,11
Key customers	R 6 645,36 + VAT = R 7 575,71

Administration charge:

Determined by, and payable for, the utilised capacity of each POD linked to an account.

≤ 100 kVA	R 90,63 + VAT = R 103,32
> 100 kVA and ≤ 500 kVA	R 128,80 + VAT = R 146,83
> 500 kVA and ≤ 1 MVA	R 811,46 + VAT = R 925,06
> 1 MVA	R 811,46 + VAT = R 925,06
Key customers	R 713,18 + VAT = R 813,03

Network charge:

Based on the utilised capacity.

- R2,02 + VAT = R2,30/kVA
- R2,02 + VAT = R2,30/kW

Demand charge:

Payable for each **kVA** or **kW** of the **maximum chargeable demand** supplied during the month.^{1,2}

High-demand season (June - August)	Low-demand season (September - May)
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R28,58 + VAT = **R32,58/kVA**

R17,79 + VAT = **R20,28/kVA**

R33,63 + VAT = **R38,34/kW**

R20,93 + VAT = **R23,86/kW**

- **kVA** measured over **30-minute integrating periods** of maximum demand supplied during peak periods per month.
- **kW** measured over **60-minute integrating periods** of maximum demand supplied during peak periods per month.
- Where a kW charge is applicable, the power factor under all loading conditions shall not be less than 0,85 lagging and shall not lead under any circumstances.
- No demand charge is applicable during off-peak periods, subject to the correct metering being installed.

Active energy charge:

High-demand season (June - August)	Low-demand season (September - May)
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11,81c + VAT = **13,46c/kWh**

8,61c + VAT = **9,82c/kWh**

Voltage surcharge:

Calculated as a percentage of demand, active energy and network charges.

Supply voltage	Surcharge
> 22 kV*	7,63%
≥ 500 V and ≤ 22 kV*	10,07%
< 500 V	17,30%

Transmission surcharge:

Calculated as a percentage of demand, active energy and network charges after the voltage surcharge has been levied, depending on the distance from Johannesburg. (Refer to definitions page 32)

Time periods:

Refer to page 28.

* Note that some rural networks with a voltage of 33 kV have been specifically designated by Eskom as rural reticulation networks.

** Refer to Monthly Charge section on page 32

1 Customers previously supplied in terms of Eskom's Rand and Orange Free State Licence 1983, with supply agreements originally concluded before 1 January 1984, can have their maximum demand measured in kW. Unless or until they request that their maximum demand be measured in kVA, this will be determined in kW.

2 From April 1998 Eskom introduced charges for excess demand, at the same rate as above. Excess demand will be calculated as follows:
Excess demand = Actual demand in kVA x 0,85 – Actual demand in kW.

RURAFLEX

TOU electricity tariff for rural, customers with 3-phase supplies

Ruraflex is a tariff applicable to 3-phase rural, customers who take supply from 400V up to and including 22 kV* and who can shift their load to defined time periods.

Connection fee:

Refer to Table 2 on page 30.

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariff, a monthly charge and/or up-front payment may be applied in addition to the standard tariffs.

Where applicable**, the monthly charge for all existing connections will be subject to a rebate (not beyond extinction) at 1,81c per kWh of all active energy consumed during peak periods.

For this tariff the capital cost will be offset by the current line and capacity allowance included in the tariff.

Service charge:

Charged per account and is based on the sum of the utilised capacity of all POD's linked to an account.

≤ 100 kVA	R 119,13 + VAT = R 135,81
> 100 kVA and ≤ 500 kVA	R 419,63 + VAT = R 478,38
> 500 kVA and ≤ 1 MVA	R 1 267,62 + VAT = R 1 445,09
> 1 MVA	R 1 270,27 + VAT = R 1 448,11
Key customers	R 6 645,36 + VAT = R 7 575,71

Administration charge:

Determined by, and payable for, the utilised capacity of each POD linked to an account.

≤ 100 kVA	R 83,89 + VAT = R 95,63
> 100 kVA and ≤ 500 kVA	R 127,11 + VAT = R 144,91
> 500 kVA and ≤ 1 MVA	R 808,32 + VAT = R 921,48
> 1 MVA	R 808,32 + VAT = R 921,48
Key customers	R 808,32 + VAT = R 921,48

Network charge:

Based on the utilised capacity and set at R1,81 + VAT = **R2,06/kVA**

Active energy charge:

High-demand season (June - August)

62,69c + VAT = **71,47c/kWh**

16,41c + VAT = **18,71c/kWh**

8,78c + VAT = **10,01c/kWh**

Low-demand season (September - May)

17,54c + VAT = **20,00c/kWh**

10,80c + VAT = **12,31c/kWh**

7,58c + VAT = **8,64c/kWh**

Reactive energy charge:

1,43c + VAT = **1,63c/kvarh**

Supplied in excess of 30% (0,96 PF) of the kWh recorded during the entire billing period. The excess reactive energy is determined using the billing period totals.

Voltage surcharge:

Calculated as a percentage of active energy and network charges.

Supply voltage

	Surcharge
> 22 kV*	7,63%
≥ 500 V and ≤ 22 kV**	10,07%
< 500 V	17,30%

Transmission surcharge:

Calculated as a percentage of the active energy, reactive energy and network charges after the voltage surcharge has been levied, depending on the distance from Johannesburg. (Refer to definitions page 32)

Time periods:

Refer to page 28.

* Note that some rural networks with a voltage of 33 kV have been specifically designated by Eskom as rural reticulation networks.

** Refer to Monthly Charge section on page 33

LANDRATE

Electricity tariff for rural, customers with supplies up to 100 kVA

The Landrate range of tariffs is applicable to rural, supplies with a NMD of 100 kVA or less. Typical customers are farmers, rural businesses and rural telecommunication systems. Landrate is usually supplied from 11 or 22 kV* overhead networks at a nominal voltage lower than 500 V.

Standard supply sizes:

Landrate 1	single-phase	16 kVA	(80 A)
	dual-phase	32 kVA	(80 A)
	three-phase	25 kVA	(40 A)
Landrate 2	dual-phase	64 kVA	(160 A)
	three-phase	50 kVA	(80 A)
Landrate 3	dual-phase	100 kVA	(225 A)
	three-phase	100 kVA	(160 A)
Landrate 4	single-phase	16 kVA	(80 A)
Landrate Dx	single-phase	10 A limited supply capacity	

Landrate 1, 2, 3:

Suitable for supplies where consistently **more** than 1 000 kWh per month is being used. The basic charge and network charge is payable each month for each point of delivery and the network charge is graded according to the standard supply sizes applicable to each tariff.

Landrate 4:

Suitable for **single-phase supplies** only where consistently **less** than 1 000 kWh per month is being used, for example domestic or small supplies on farms with low usage. The network charge is payable each month for each point of delivery.

All Landrate three-phase supplies connected prior to 1 January 2001 will be allowed to convert/downgrade to Landrate 4 (single-phase or three-phase supply), provided that the NMD \leq 25 kVA (40 A). Supplies connected after this date will only be able to convert/downgrade to Landrate 4 if they convert their supply to single-phase at their own cost.

Landrate Dx:

This tariff is applicable to **very** low usage single-phase supplies, typically suited for small telecommunication installations, where the electricity usage is low enough not to warrant metering for billing purposes. Only the basic charge is payable each month for each point of delivery. Supplies qualifying for this tariff may not opt for an alternative tariff.

Prepayment supplies:

The prepayment supply option will not be offered on Landrate 3. Also take note of the following technical requirements:

Tariff	Phase of supply	Amperage
Landrate 1	Single phase	60 A
Landrate 2	Three phase	80 A
Landrate 4	Single phase	60 A

Connection fees:

Different rates will apply to conventional and prepayment technology. Refer to Table 2 on page 32.

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariff, a monthly charge and/or up-front payment may be applied in addition to the standard tariffs.

For this tariff, excluding Landrate Dx, the capital cost will be offset by the current line and capacity allowance.

Charges:	Basic charge (per month)	Network charge (per month)	Energy charge (per unit)
Landrate 1	R 139,85 + VAT = R 159,43	R 130,00 + VAT = R 148,20	19,13c + VAT = 21,81c/kWh
Landrate 2	R 139,85 + VAT = R 159,43	R 200,00 + VAT = R 228,00	19,13c + VAT = 21,81c/kWh
Landrate 3	R 139,85 + VAT = R 159,43	R 320,00 + VAT = R 364,80	19,13c + VAT = 21,81c/kWh
Landrate 4	N/A	R 94,03 + VAT = R 107,19	36,93c + VAT = 42,10c/kWh
Landrate Dx	R 270,81 + VAT = R 308,72	N/A	N/A

* Note that some rural networks with a voltage of 33 kV have been specifically designated by Eskom as rural reticulation networks.

Public lighting

Applicable only in an Eskom-designated urban area

In order to provide a public lighting service in its licensed area of supply, Eskom will enter into a public lighting supply agreement with a recognised representative body with legal powers, i.e. local authority, traffic department, etc. who, in turn, normally provides a service to the general public. Eskom will not enter into an agreement with home dwellers for public lighting services. Typical supplies are street lights, lights in telephone booths, traffic lights, neon and billboard signs.

Connection fees:

R35,09 + VAT = **R 40,00** per connection

R162,28 + VAT = **R 185,00** per high-mast connection

Energy charge:

A fixed energy charge based on the number of hours the supply will be used in a day and the time at which the electricity will be used, is payable per month per light fitting.

The fixed energy charge is calculated using either the c/kWh energy rate or the R/100 W/month energy rate. Where the c/kWh energy rate is used, kWh are calculated as follows:

$\text{kWh} = \text{number of lights} \times \text{light wattage} \times \text{hours in use}$

In exceptional cases, where metering is provided for, the charge would not be based on the Public lighting tariff but on the applicable standard tariff.

Dusk to midnight:

166,67 hours per month

18,77c + VAT = **21,40c/kWh** OR R3,13 + VAT = **R3,57/100 W/month**

All night:

333,3 hours per month

14,94c + VAT = **17,03c/kWh** OR R4,97 + VAT = **R5,67/100 W/month**

24 hours:

730 hours per month

17,62c + VAT = **20,09c/kWh** OR R12,86 + VAT = **R14,66/100 W/month**

Telkom urban:

Based on a consumption of 200 kWh/month and is suitable for small urban Telkom installations such as telephone booths, switchgear installations, etc.

R30,91 + VAT = **R35,24/month**

Maintenance charge:

A monthly maintenance charge (or actual costs depending on maintenance agreement) is payable where Eskom is required to maintain the public lighting network.

The maintenance charge does not recover refurbishment costs.

Per street light luminaire: R 9,63 + VAT = **R 10,98** per month*

Per high-mast luminaire: R224,66 + VAT = **R 256,11** per month*

Capital costs:

For a new connection, in order for Eskom to recover capital costs that are not covered by the tariff, a monthly charge and/or up-front payment may be applied in addition to the standard tariffs.

The monthly charge can be paid over any period of up to 10 years.

* If the customer chooses to pay the monthly maintenance charge and actual maintenance costs are much higher than the monthly charge, provision can be made to charge actual costs.

Homeflex

Pilot TOU electricity tariff for medium to high-usage residential customers

Homeflex is an experimental tariff being piloted in certain residential areas. This tariff is suitable for medium to high-usage residential customers who can shift load from the expensive peak period to the less expensive time periods.

The implementation of the Homeflex experiment is motivated by the fact that the cost of generating and delivering electricity varies by time of day and hence there is a need to send a pricing signal that reflects the time-variant cost of generating and delivering electricity, and simultaneously encourage the customers to do load shifting. The tariff is only available to the pilot customers.

Piloted tariff structures:

- Homeflex 1** Three-part energy rate tariff with a service charge
- Homeflex 2** Two-part energy rate tariff with a service charge
- Homeflex 3** Three-part energy rate tariff without a service charge
- Homeflex 4** Two-part energy rate tariff without a service charge

Network charge:

Payable per month whether electricity is consumed or not.

70 A:	R65,33 + VAT = R74,48
60 A:	R56,00 + VAT = R63,84
50 A:	R46,67 + VAT = R53,20
40 A:	R37,33 + VAT = R42,56

Charges applicable	High demand energy charge (June - Aug)		Low demand energy charge (Sep - May)	Service charge
Homeflex 1	58,34c + VAT = 66,51c/kWh	Peak	19,07c + VAT = 21,74c/kWh	R49,41 + VAT = R56,33
	18,02c + VAT = 20,54c/kWh	Standard	13,17c + VAT = 15,01c/kWh	R49,41 + VAT = R56,33
	11,39c + VAT = 12,98c/kWh	Off-peak	10,37c + VAT = 11,82c/kWh	R49,41 + VAT = R56,33
Homeflex 2	58,34c + VAT = 66,51c/kWh	Peak	19,07c + VAT = 21,74c/kWh	R49,41 + VAT = R56,33
	14,92c + VAT = 17,01c/kWh	Off-peak	11,83c + VAT = 13,49c/kWh	R49,41 + VAT = R56,33
Homeflex 3	63,33c + VAT = 72,20c/kWh	Peak	24,06c + VAT = 27,43c/kWh	N/A
	23,02c + VAT = 26,24c/kWh	Standard	18,16c + VAT = 20,70c/kWh	N/A
	16,38c + VAT = 18,67c/kWh	Off-peak	15,36c + VAT = 17,51c/kWh	N/A
Homeflex 4	63,33c + VAT = 72,20c/kWh	Peak	24,06c + VAT = 27,43c/kWh	N/A
	19,91c + VAT = 22,70c/kWh	Off-peak	16,82c + VAT = 19,17c/kWh	N/A

Special pricing options

Real-time pricing (RTP)

For selected customers who meet Eskom's qualification criteria, two RTP options are available. These pricing options expose customers' consumption decisions to the short-term value of electricity, as determined by the Eskom Power Pool. For more information contact your customer executive or your nearest Eskom office.

Mobile transformer (MT)

The MT is a product aimed at customers that require a supply for a short period of time and entities that frequently move around (eg. diggers) and require a supply point at different locations.

The MT is intended for run-in-line applications, i.e. where the MT can be tapped from existing Eskom lines without having to build additional lines. Contact Agrelek or Industrelek for further information. (Contact numbers on page 2)

Premium power

Eskom supplies quality power at a standard that is higher or equal to the standard specified by the National Electricity Regulator. Premium power is a power quality product that enables customers to negotiate power quality superior to the existing quality. This is achieved through the installation of dedicated equipment at the cost of the individual customer. Various financial options are available to assist the customer, including a leasing option. A specific power quality performance contract, which includes maintenance and performance reporting, is then established.

More information in this regard is obtainable from the Quality of Supply Department at (011) 629 5111.

Electrification of worker houses

Eskom through the National Electrification Programme supports the electrification of worker houses, by providing an incentive towards the costs of electrification for each worker house. The workers are consumers of the Eskom customer and not direct Eskom customers. This incentive is paid to the direct Eskom customer, provided certain conditions are complied with and is subject to the availability of funds. This incentive is applicable where an Eskom customer extends an existing supply point or takes a new Eskom supply point to supply electricity to the worker houses for any number of worker houses.

These connections are treated as part of Eskom's electrification targets.

Remote area power supplies (RAPS)

Remote area power supplies include the following systems: wind power, solar power, hydro power and hybrid (combination of more than one) systems and are considered when a grid extension is impractical or uneconomical.

Visit www.sabregen.co.za for more information.

Residential demand side management (RDSM)

Millions of people in Africa are still without electricity. However, Eskom is changing this scenario at a rate of a thousand new homes per day through the introduction of low-cost electricity. Together with specialised subsidiaries and business partners throughout Africa, Eskom is paving the way for the stimulation of regional economics and reinvestment, and is thus helping to unleash the full potential of the African continent.

Within the context of Eskom's by now well-entrenched market-oriented and customer driven philosophy, it became readily apparent that there was much more to be gained by a focused domestic electrification programme than merely increased sales and uptake of under utilised generating capacity. On the one hand, it would bring a vastly improved quality of life, comfort, convenience, safety, security, education and recreational opportunities. While on the other hand, creating a multiplier effect in the domestic electrical appliance and electrical service industries, with abundant benefits to the economy and the labour market.

Visit www.eskomdsm.co.za for more information on demand side management.

Customer self-built power supply options

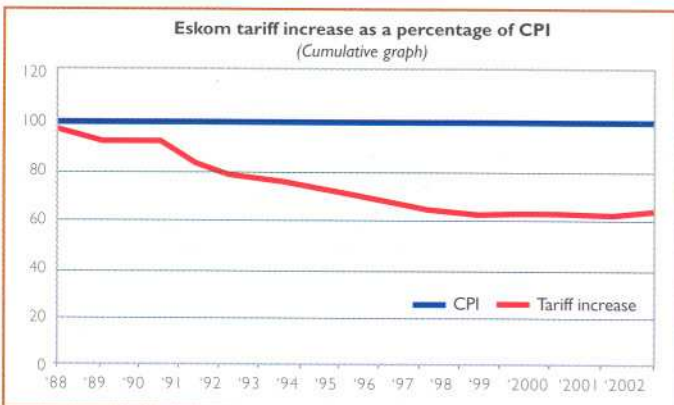
Eskom provides customers with the option to build their own power lines. Customer-built schemes are permitted when Eskom's own construction capacity is fully utilised and/or where customers are in a position to build or extend a network sooner than Eskom or at costs more favourable than those quoted by Eskom. Customers have the choice of either undertaking the construction themselves or by engaging a contractor to perform the construction, subject to all work complying with Eskom's technical standards. Customer-built supplies are usually permitted on rural networks only and are subject to the standard approval process within Eskom. The approval for a customer-built power supply is at all times subject to the availability of capital and network capacity. The terms and conditions for each customer-built scheme will be negotiated once the customer's written application has been received.

Appendix A – Eskom's average price increase

Eskom's tariffs are increased on an annual basis, usually on 1 January. The average tariff increases for the last 15 years are indicated in the table below. Some tariffs due to structural changes, have experienced higher or lower increases than the average tariff increase.

Eskom's average tariff increase for the last 15 years

Year	Average tariff increase	CPI
1 January 1988	10,00%	12,89%
1 January 1989	10,00%	14,51%
1 January 1990	14,00%	14,29%
1 January 1991	8,00%	15,57%
1 January 1992	9,00%	13,67%
1 January 1993	8,00%	9,87%
1 January 1994	7,00%	8,82%
1 January 1995	4,00%	8,71%
1 January 1996	4,00%	7,32%
1 January 1997	5,00%	8,62%
1 January 1998	5,00%	6,87%
1 January 1999	4,50%	5,21%
1 January 2000	5,50%	5,37%
1 January 2001	5,20%	(projected) 6,18%
1 January 2002	6,20%	(projected) 5,23%



Appendix B – Treatment of public holidays

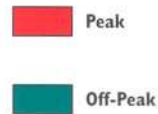
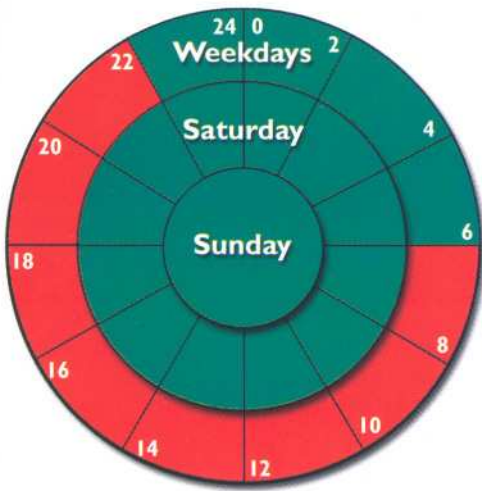
Public holidays are treated differently throughout the year. All public holidays for the Nightsave (Rural) and Ruraflex tariffs will be treated as the day of the week on which it falls.

The table below indicates the treatment of public holidays for the Nightsave (Urban), Megaflex and Miniflex tariffs for 2002. The appropriate seasonally differentiated energy charges will be applicable on these days. Any unexpectedly announced public holidays will be treated as the day of the week on which it falls.

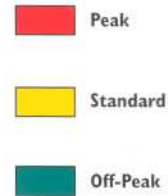
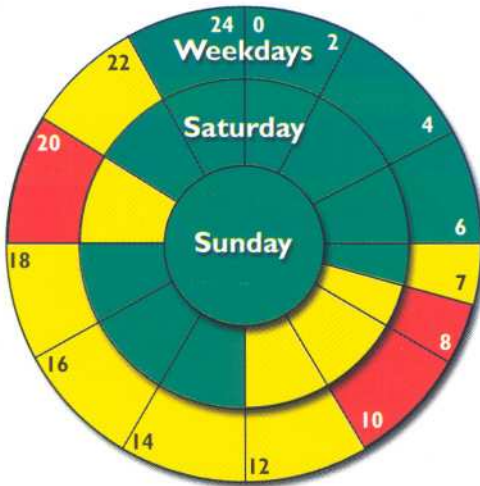
Date	Day	NIGHTSAVE	MEGAFLEX
		Urban	MINIFLEX
1 January	New Year's Day	Sunday	Sunday
21 March	Human Rights Day	Sunday	Saturday
29 March	Good Friday	Sunday	Sunday
1 April	Family Day	Sunday	Sunday
27 April	Freedom Day	Sunday	Saturday
1 May	Workers Day	Sunday	Saturday
16 June	Youth Day	Sunday	Sunday
17 June	Public holiday	Sunday	Saturday
9 August	National Women's Day	Sunday	Saturday
24 September	Heritage Day	Sunday	Saturday
16 December	Day of Reconciliation	Sunday	Saturday
25 December	Christmas Day	Sunday	Sunday
26 December	Day of Goodwill	Sunday	Sunday

Appendix C – Eskom's defined time periods

Nightsave



Megaflex, Miniflex & Ruraflex



Appendix D – TOU conversion surcharge

TOU tariffs (Megaflex, Miniflex and Ruraflex) are suitable for customers who are able to manage their energy consumption and maximum demand according to Eskom's specified time schedule. These tariffs are available once a satisfactory supply contract has been negotiated with Eskom.

Existing customers converting to TOU, where an impact study indicates a financial saving due to the conversion, will be subject to a conversion surcharge. The conversion surcharge is calculated as a percentage of the saving arising from the conversion without load shifting taking place. A 90% conversion surcharge will be applicable to all conversions for a period of 12 months after conversion, regardless of the year of conversion. The conversion surcharge will reduce by 18% after every completed 12 months after conversion to TOU. The conversion surcharge will therefore reduce to 0% after being on a TOU tariff for 5 years. The reduction of the conversion surcharge is indicated below:

	Months after conversion				
	1 - 12	13 - 24	25 - 36	37 - 48	49 - 60
Conversion surcharge	90%	72%	54%	36%	18%

Appendix E – Connection fees

The fees listed are the minimum cash amounts payable. Additional charges based on actual costs may be raised as per current policy. Different rates will apply to conventional and prepayment technology.

Table 1 - Urban Connection fees

Capacity	Conventional	Prepayment
5 kVA or 60 A (single-phase)	R 877,19 + VAT = R 1 000,00	R 877,19 + VAT = R 1 000,00
25 kVA	R 2 894,74 + VAT = R 3 300,00	R 2 894,74 + VAT = R 3 300,00
50 kVA	R 3 333,33 + VAT = R 3 800,00	R 4 210,53 + VAT = R 4 800,00
100 kVA	R 3 947,37 + VAT = R 4 500,00	N/A
200 kVA	R 5 526,32 + VAT = R 6 300,00	N/A
315 kVA	R 5 964,91 + VAT = R 6 800,00	N/A
500 kVA	R 9 824,56 + VAT = R 11 200,00	N/A
> 500 kVA	The greater of R 9 824,56 + VAT or 5% of actual project costs.	N/A

Table 2 - Rural connection fees

Capacity	Conventional	Prepayment
5 kVA (single-phase)	R 1 140,35 + VAT = R 1 300,00	R 1 140,35 + VAT = R 1 300,00
16 kVA (single-phase)	R 1 754,39 + VAT = R 2 000,00	R 1 754,39 + VAT = R 2 000,00
25 kVA (three-phase)	R 3 333,33 + VAT = R 3 800,00	N/A
32 kVA (dual-phase)	R 2 719,30 + VAT = R 3 100,00	R 2 719,30 + VAT = R 3 100,00
50 kVA (three-phase)	R 4 385,96 + VAT = R 5 000,00	R 5 263,16 + VAT = R 6 000,00
64 kVA (dual-phase)	R 3 771,93 + VAT = R 4 300,00	N/A
100 kVA	R 5 087,72 + VAT = R 5 800,00	N/A
200 kVA	R 7 368,42 + VAT = R 8 400,00	N/A
315 kVA	R 7 894,74 + VAT = R 9 000,00	N/A
500 kVA	R 13 157,89 + VAT = R 15 000,00	N/A
> 500 kVA	The greater of R 13 157,89 + VAT or 5% of actual project costs.	N/A

Table 3 - Residential tariffs (Conventional and prepayment meters)

Capacity	HOMELIGHT	HOMEPOWER
2.5 A (single-phase)	No charge	N/A
20 A (single-phase)	R 131,58 + VAT = R 150,00	N/A
60 A (single-phase)	R 877,19 + VAT = R 1 000,00	R 877,19 + VAT = R 1 000,00
> 60 A (single-phase)	N/A	Refer to Table 1
Three-phase supplies	N/A	Refer to Table 1

Abbreviations

abbreviations

<	less than
≤	less than or equal to
>	greater than
≥	greater than or equal to
A	ampère
c	cents
c/kvarh	cents per kilo-volt-ampère reactive hour
c/kWh	cents per kilowatt-hour
CPI	consumer price index
GWh	giga-watt-hour
km	kilometres
kVA	kilovolt-ampères
kvarh	kilo-volt-ampère reactive hour
kV	kilovolts
kW	kilowatts
kWh	kilowatt-hour
MVA	megavolt-ampères
N/A	Not available
NER	National Electricity Regulator
NMD	Notified Maximum Demand
PF	Power factor
POD	Point of delivery
R	Rand
R/kVA	Rand per kilovolt-ampères
R/kW	Rand per kilowatts
TOU	Time-of-Use
V	volts
VAT	value added tax
W	watts

Definitions

- (Active) energy charge:** A fixed or differentiated charge (time and/or seasonally) linked to each kWh or unit of energy consumed.
- Actual demand:** Maximum demand recorded during all periods for a month, regardless of whether the tariff has a demand charge or not.
- Administration charge:** A fixed charge payable per POD every month, whether electricity is consumed or not, and determined by the utilised capacity of that POD. It is a contribution towards Eskom's fixed costs, such as meter reading and billing.
- Basic charge:** A fixed charge payable every month, whether electricity is consumed or not. It is a contribution towards Eskom's fixed costs, such as meter reading, billing, customer service, etc. This contribution differs for each tariff.
- Capital allowance:** The capital allowance is an up-front reduction of the capital contribution required to be paid by the customer. The capital allowed is the amount of capital related costs recovered through the tariff, i.e. included into the rates.
- Chargeable demand:** Maximum demand recorded during periods when demand is charged for during the month, and is used to calculate the demand charge.
- Connection fee:** Once off up-front payment for the connection of a new supply point which is a contribution towards the cost of providing the supply. In order to send out the correct pricing signal to take an appropriate supply size, the connection fee will be differentiated on the capacity and number of phases of the supply.
- Conversion fee:** Payable when an existing customer converts their supply and is applied when there are tariff changes, meter changes, changes in installation or when a supply point is shifted.
- Demand charge:** A R/kVA or R/kW charge which is time and/or seasonally differentiated and is linked to the chargeable demand reregistered during the month.
- Deposit:** A once-off refundable payment by a customer as a security or guarantee against any monthly payments due. Eskom's policy is currently to call for a deposit or guarantee which would cover any 3 months of the account.
- Key customer:** A customer identified by Eskom who requires special services or who consumes more than 100 GWh per annum per contiguous site.

Licensed area of supply:

A licensed area is a designated area where a particular supplier has the right to buy and sell electricity to their end customers. In South Africa, distributors of electricity can generally only supply customers that fall within their area of supply. These are legal designated areas. This means that a distributor such as a local authority would apply to supply electricity in a particular area. The electricity could still be purchased from Eskom but the distributor would be responsible for distributing the electricity. Eskom's tariffs are therefore only applicable where Eskom has a supply right.

The right to supply is regulated by the National Electricity Regulator.

Meter change fee:

A change in meter type fee is payable when converting from/to a conventional to/from a prepayment meter.

Monthly charge:

A monthly connection charge is payable each month in addition to the tariff charges for the cost of connection to Eskom's networks. It is a contribution towards the recovery of network capital costs not recovered through the tariff.

For Nightsave (Urban), Megaflex and Miniflex the monthly charge serves as a pricing signal for the utilisation of installed supply capacity and is rebated (not beyond extinction) as described with the respective tariffs.

Please note that as from 1 July 2002 the gross monthly charges for Nightsave (Rural), Ruraflex, Landrate, Businessrate and Homepower will reduce by R900, and the lost revenue will be recovered through the tariff rates. As a result all active monthly charges of R900 or less were eliminated. For the few customers, with a monthly charge exceeding R900 per month, a reduced monthly charge, rebated (not beyond extinction) as described with the respective tariffs, will still be payable.

Network charge:

A fixed charge payable every month, whether electricity is consumed or not, and is a contribution towards Eskom's fixed network capital costs.

Where applicable, this charge is based on the utilised capacity.

Notified Maximum Demand:

The NMD is the maximum demand notified in writing by the customer and accepted by Eskom as that which the customer requires Eskom to be in a position to supply on demand.

Prepayment supplies:

Prepayment metering is offered to all Homelight, Homepower, Businessrate 1, 2 and 4, and Landrate 1, 2 and 4 tariff supplies. However, the prepayment meter has the following limitations:

- Cannot handle supplies that require a capacity greater than 65 kVA
- Cannot accommodate a tariff with a fixed monthly charge. A customer is required to sign a debit order for this amount to be automatically deposited into Eskom's account.

Reactive energy charge:

This charge is applicable to Megaflex, Miniflex and Ruraflex. It is levied on every kvarh which is registered in excess of 30% of the kWh supplied during the specified periods of the month. There is no reactive energy charge for a customer operating with a power factor of 0,96 or better. The method of calculating this excess differs and is described with the respective tariff.

Rebate:

This is a reduction of the monthly charge based on the demand or kWh consumption of the supply. The rebate caters for capital related costs included in the tariff.

Rural_o areas:

Rural_o refers to rural as classified for pricing purposes. Your local Eskom office will be able to assist you in the classification of your supply and the selection of an appropriate tariff.

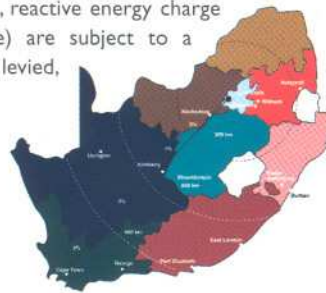
Service charge:

A fixed charge payable every month, whether electricity is consumed or not, based on the utilised capacity and charged per account. It is a contribution towards Eskom's costs for customer service.

Transmission surcharge

The demand charge (where applicable), active energy charges, reactive energy charge (where applicable) and network charges (where applicable) are subject to a transmission surcharge after the voltage surcharge has been levied, depending on the distance from Johannesburg.

≤ 300 km	0%
> 300 km and ≤ 600 km	1%
> 600 km and ≤ 900 km	2%
> 900 km	3%



Voltage surcharge:

Electricity is transmitted at as high a voltage as possible to make transmission efficient. At times it has to be transformed to a lower voltage before being supplied to a customer. The lower the supply voltage, the higher the cost of providing supply. A voltage surcharge is levied to lower supply voltages to reflect this cost difference. This is calculated as a percentage of active energy charges, the demand charge (where applicable) and network charges (where applicable).

Urban_o areas:

Urban_o refers to urban as classified for pricing purposes. Your local Eskom office will be able to assist you in the classification of your supply and the selection of an appropriate tariff.

Utilised capacity:

The greater of the customer's NMD or actual maximum demand registered during the previous 12 months.