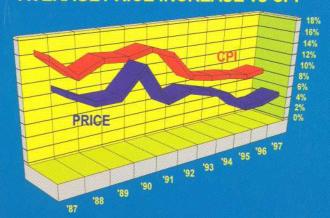
# ESKOM'S PRICES FOR PRODUCTS AND SERVICES

1997

**AVERAGE PRICE INCREASE vs CPI** 



OPD/TB/1997



### THE PRICING COMPACT

Eskom's tariffs are increased annually. This usually takes place from 1 January each year. The tariff increases differ each year as can be seen from the table below, where the tariff increases for the past eleven years have been listed.

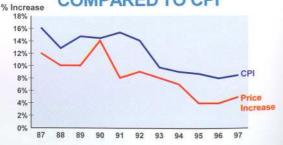
YEAR	TARIFF	INFLATION
	INCREASE	RATE
Jan 1987	12%	16,10%
Jan 1988	10%	12,80%
Jan 1989	10%	14,70%
Jan 1990	14%	14,40%
Jan 1991	8%	15,30%
Jan 1992	9%	14,00%
Jan 1993	8%	9,70%
Jan 1994	7%	9,00%
Jan 1995	4%	8,70%
Jan 1996	4%	8,00% Projected
Jan 1997	5%	8,50% <b>5</b> Projected

In 1991 Eskom made a compact to reduce the real price of electricity by 20% for the period 1992 to 1996. In 1994 a second RDP compact was made in which the company committed to a further 15% reduction in the real price of electricity for the period 1995 to 2000.

Eskom's announced price increase for 1997 is again below inflation rate at an average of 5% against an anticipated inflation rate of 8,5%.

Inflation figures have had a sharp decline since 1994 thus putting some constraints on Eskom's ability to meet the compact. Current projections are that if inflation averages 9% Eskom will meet the compacts with a comfortable margin to spare.

# ESKOM PRICE INCREASE COMPARED TO CPI



# ESKOM ANNOUNCES 5% INCREASE FOR 1997



Electricity
Council, Dr Joh
Marce.

Chairman of the Electricity Council, Dr John Maree announced that the average price of electricity supplied by Eskom will rise by 5% from 1 January 1997. Eskom has also announced changes to the tariff structure for both small and large power consumers. As a result of

the changes in the tariff structure, the impact of the increase to customers can be different from the 5% announced. Individual customers could experience an increase between 3% and 9,05%, depending on their individual circumstances.

"We estimate that the consumer price index will average approximately 8,5% in 1997, so our 5% increase will give our customers a price reduction in real terms of 3,5% for the year. Recognising the considerable uncertainty that exists within the electricity supply industry, however, a further price adjustment may be considered in 1997, if a new financial framework so requires."

"Eskom has consistently reduced the real price of electricity over the past ten years. The real price of electricity is today 68% of the price in 1986 and Eskom has committed to further reduce the real price by 15% between 1995 and the year 2000."

Chairman for the Electricity Council, Dr John Maree.



Eskom's Chic Executive M

"Eskom is determined to become the world's lowest cost producer of electricity for growth and prosperity. This will result in significant benefits to the South African economy and make electricity more affordable to a large number of people. The real electricity price reductions achieved to date and

forecasted for the future will provide a major boost to the international competitiveness of South African companies."

Eskom's Chief Executive, Mr Allen Morgan.

# ESKOM'S PRODUCTS AND SERVICES - 1997

This brochure serves to inform you of Eskom's tariffs and other prices, incorporating the 1997 price increase and other changes effective from 1 January 1997.

It also provides some useful information on how to choose the correct tariff as well as the advisory services available to our customers. It is intended for use by Eskom customers, customer representative bodies such as the Consumer Council, AMEU, SAAU, SACOB and Eskom staff. Should you require any further information, please consult your nearest Eskom office:

Bellville	(021) 915-9111	Nelspruit	(013) 755-9000
Benoni	(011) 422-3900	Newcastle	(03431) 5-1274
Bethal	(0172) 7-1200	Nigel	(011) 814-1212
Bethlehem	(058) 303-5133	Oudtshoorn	(0443) 29-1667
Bloemfontein	(051) 404-2111	Parys	(0568) 2341
Bothaville	(0565) 2118	Phalaborwa	(01524) 8-7331
Brits	(01211) 2-0438	Pietermaritzburg	(0331) 94-7351
Colesberg	(051) 753-0741	Pietersburg	(0152) 297-2279
Delareyville	(053) 948-1228	Piketberg	(0261) 3-1180
Durban	(031) 360-2111	Pinetown	(031) 701-1201
East London	(0431) 39-2111	Port Elizabeth	(041) 34-3424
Edgemead (CT)	(021) 58-1150	Potchefstroom	(0148) 293-0232
Empangeni	(0351) 92-5131	Pretoria	(012) 348-4055
George	(0441) 76-2911	Randfontein	(011) 693-5348
Germiston	(011) 871-3481	Rustenburg	(0142) 97-2570
Grabouw	(021) 859-5303	Sandton	(011) 803-5464
Grahamstown	(0461) 2-7031	Senekal	(05848) 3801
Groblersdal	(01202) 4039	Somerset West	(021) 851-7117
Harrismith	(05861) 3-1788	Soweto	(011) 494-4320
Johannesburg	(011) 711-9111	Thabazimbi	(014773) 7-1638
Kimberley	(0531) 80-5731	Thohoyandou	(0159) 2-3291
Klerksdorp	(018) 464-6666	Upington	(054) 37-1111
Kraaifontein	(021) 988-7457	Vanderbijlpark	(016) 81-4030
Kroonstad	(0562) 3-2757	Vereeniging	(016) 421-3410
Kuruman	(05373) 2-2151	Vredenburg	(02281) 3-1153
Ladysmith	(0361) 31-0370	Vredendal	(0271) 3-1020
Lichtenburg	(01441) 2-6284	Vryburg	(05391) 7-1116
Lydenburg	(01323) 2314	Warmbaths	(014) 736-2140
Malmesbury	(0224) 7-1530	Welkom	(057) 913-3000
Margate	(03931) 7-6363	Witbank	(0135) 93-3111
Middelburg	(0132) 46-1631	Wolmaransstad	(01811) 2-2515
Midrand	(011) 315-2060	Worcester	(0231) 2-2394

### **CONTENTS**

5	How are tariffs	made up?	4
	How to pay	7	5
30	Charges applic	able to tariffs	6
	Treatment of pu	blic holidays	6
20180	Other pricing o	ptions	8
	Standardrate		10
Ċ	Nightsave		12
	Time-Of-Use:	Megaflex Miniflex Ruraflex	15 16 17
Ann	Businessrate		18
52	Landrate		19
狐	Homepower		20
Ê	Homelight Electrification o	f workers' houses	21 22
	Pricing for inter	ruptible supplies	23
	Future developr in Electricity Pri		25
(A)	Advisory Service	es	26
	A Guide to cho Tariff increase f	osing your Tariff lowchart	27 28
80	Standard Charg	jes Centres	pread

# HOW ARE TARIFFS MADE UP?

- Basic charge: A fixed monthly charge for each point of supply which is payable
  whether electricity is consumed or not. This charge increases every year with the
  annual price increase.
- Active energy charge: A charge for each kilowatt hour (kWh) of active energy consumed.
- Reactive energy charge: This charge applies only to Megaflex, Miniflex and Ruraflex. It is levied on every kilovar-hour (kvarh) registered in excess of 30% of the kilowatt hours supplied per month. This means that if the customer's installation is operating at a power factor of 0,96 or better, there will be no reactive energy charge.

The method of calculating this excess differs between Megaflex, Miniflex and Ruraflex and is described with the respective tariff.

- **Demand charge:** Payable for each kVA or kW of the maximum demand supplied during the month. It is calculated by integrating the measured demand over half hourly or hourly periods.
- Voltage discount: Electricity is transmitted at as high a voltage as practical to
  make transmission efficient. This has to be transformed to a lower voltage before
  being supplied to a customer. The lower the supply voltage, the more expensive the
  equipment needed. Thus, the higher the supply voltage, the higher the voltage
  discount granted. For the time-of-use tariffs this is calculated as a percentage of
  Demand and Active energy charges.

Supply Voltage	Percentage Discount	For Standardrate and
> 132kV	7,03%	Nightsave the voltage
$\leq 132kV$ and $\geq 66kV$	4,69%	discounts are reflected
< 66kV and ≥ 500V	2,34%	in the different demand
< 500V	0% 💝	charges.

 Transmission percentage surcharge: For certain tariffs the Demand charge and Energy charge are subject to a transmission surcharge, depending on the distance from Johannesburg.

5
6
6
6
6

Monthly Rental: The monthly rental is a contribution to the capital cost of network, where the cost of providing supply exceeds the standard cost provided by the tariff. It is a fixed payment that the customer must make each month in addition to the tariff.

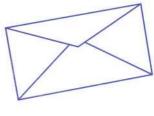
charges. Rentals are calculated using a

17% discount rate, and can be paid over any period up to 25 years. (The capitalisation factor for 25 years is 1,343% per month.) Cash payments are also allowed.

### **HOW TO PAY**

### POST

You may post your cheque or postal order to the address printed on your electricity bill. You must enclose the counterfoil at the bottom of the bill with the cheque or postal order. Please do not send cash through the



### MAIL TRANSFER

You may also arrange through the postal services for a mail transfer of money or postal order.

### PERSONALLY

Call in at your local Eskom office and pay your account in cash, or by cheque or postal order.

### **DIRECT DEBIT**

Sign a special agreement with Eskom for your electricity bill to be debited directly from your bank account each month and receive a discount (Small Power customers only). You will receive your bill in the normal manner, and on a set day each month



the total (up to a limit set by yourself) will be deducted from your account. Should your electricity bill exceed the limit you have set, the onus is on you to pay the balance using any of the above methods.

### **PREPAYMENT**

A personal token - a card or a number - can be purchased. This token is used to credit the meter with the purchased electricity and also serves as a receipt. Tokens can be purchased from your nearest Eskom office or in specific areas of supply at your local supermarket, general dealer or at mobile supply points.



### LATE PAYMENTS

Contact your nearest Eskom office to directly deposit your payment into Eskom's bank account.

# CHARGES APPLIC ABLE TO TARIFFS

CHARGES		ENERGY CHARGE	-3	DEMAND CHARGE	REACTIVE ENERGY	BASIC CHARGE	MONTHLY RENTAL
STANDARD : 7.11		•					
NIGHTSAVE							
BUSINESS PATE	High		Low				
LAND							
HOMEPOWER							
HOMETCHI			_				
TIME-OF-USE	PEAK	STANDARD	OFF-PEAK				
MEGA 113X							
MINIFLEX		•					
RURA I III	0						

DATE	DAY	
1 January	New Year's Day	
21 March	Human Rights Day	
28 March	Good Friday	
31 March	Family Day	
27 April	Freedom Day	
28 April	Public Holiday	
1 May	Worker's Day	
16 June	Youth Day	
9 August	National Women's Day	
24 September	Heritage Day	
16 December	Day of Reconciliation	
25 December	Christmas Day	
26 December	Day of Goodwill	

# TREATMENT OF PUBLIC HOLIDAYS

NIGHTSAVE metered as a	MEGAFLEX + MINIFLEX metered as a
Sunday (off-peak)	Sunday (low demand)
Sunday (off-peak)	Saturday (low demand)
Sunday (off-peak)	Sunday (low demand)
Sunday (off-peak)	Sunday (low demand)
Sunday (off-peak)	Sunday (high demand)
Sunday (off-peak)	Saturday (high demand)
Sunday (off-peak)	Saturday (high demand)
Sunday (off-peak)	Saturday (high demand)
Sunday (off-peak)	Saturday (high demand)
Sunday (off-peak)	Saturday (high demand)
Sunday (off-peak) from	Saturday (low demand)
22:00 on 15 Dec. 1997	Sunday (low demand)
to 06:00 on 2 Jan. 1998	Sunday (low demand)

### OTHER PRICING OPTIONS

### **CUSTOMISED PRICING AGREEMENTS**

Eskom offers competitive electricity prices to large local major industry customers to enable them to take advantage of opportunities to increase local production or improve electricity utilisation. These agreements comprise of tailored electricity pricing mechanisms that will allow:

- · industry to expand
- · industry to adopt new energy-efficient electrotechnologies
- discount for those industries with low profitability in their early years of production.

### 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. These systems are considered by Eskom when a grid extension is impractical or uneconomical, even in the medium to long term.

### SELF-GENERATION DISPLACEMENT AGREEMENTS

Special pricing agreements are negotiated with some major customers who have or plan to have their own generation. These deals replace some or all of their generation capacity. Price negotiations for self-generation displacement agreements are based on Eskom's marginal supply cost and the customer's marginal generation cost.

### PREMIUM POWER

Eskom supplies quality power at a standard higher or equal to the standard specified by the National Electricity Regulator. Premium power is a power quality product which 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 benefitting customer. Various financial options are available to assist the customer, including a leasing option. A specific power quality performance contract is then established which includes maintenance and performance reporting. More information in this regard is obtainable from the Quality of Supply Department at (011) 629-5111.

### REAL-TIME PRICING

A dynamic pricing mechanism has been developed where the price paid by customers will vary on an hourly basis. Customers have the opportunity to exploit low prices (when the system has excess generation) but will also receive high prices when capacity shortages occur. Real-Time Pricing reflects Eskom's most cost reflective price signal with the aim of improving the system load profile and thereby reducing Eskom's costs to the benefit of its customers.

### **OTHER PRICING OPTIONS (cont)**

### PUBLIC LIGHTING

When Eskom provides in its licensed area a supply for, and maintains, any street lighting or similar types of supplies, the charges for such supplies and services shall be fixed by special agreement between Eskom and the local authority.

The charges for public lighting are as follows:

### CAPITAL CHARGE

1,455% of the capital cost per month for 15 years

All night	24 hours
11,54c/kWh	13,63c/kWh
+ VAT =	+ VAT =
13,16c/kWh	15,54c/kWh
OR	OR
R3,85/100W/month	R9,94/100W/month
+ VAT =	+ VAT =
R4,39/100W/month	R11,33/100W/month
	11,54c/kWh + VAT = 13,16c/kWh <i>OR</i> R3,85/100W/month + VAT =

Maintenance charge (Optional)	
R6,88 + VAT = R7,84*	R160,56 + VAT = R183,04*
per streetlight per month	per high-mast per
or actual costs	month or actual costs

### Connection fee

R48,25 + VAT = R55 per pole or high mast

Examples of typical types of supplies which qualify for this tariff are:

- Street lights
- Telephone booths
- Traffic lights
- Neon lights

Note that this tariff is only available in an Eskom designated urban area.

<sup>\*</sup>Where actual costs are much higher than the standard fees, provision can be made to charge the higher fees.

# STANDARDRATE

### **NON-RURAL RETICULATION NETWORK SUPPLIES**

Typical Standardrate Customers:

Large customers with:

· a notified maximum demand of at least 25 kW/kVA

· a relatively constant demand pattern

· a supply not taken from rural reticulation networks

Supply voltage

Supply voltage

≥ 500V to < 66kV ≥ 66kV to ≤ 132kV

< 500V

> 132kV

< 500V

**Basic Charge:** R142,93 + VAT + R162,94 per month for each point of supply whether electricity is consumed or not

Demand Charge: Per kVA of maximum demand supplied per month. •

30-minute integrating periods are applicable

**Demand Charge** R32.85 + VAT = R37,45R31,25 + VAT = R35,63

R29.41 + VAT = R33.53

R27,88 + VAT = R31,78

OR Per kW of maximum demand supplied per month\*. 60-minute integrating periods are applicable.

Demand charge R35,80 + VAT = R40,81R34.13 + VAT = R38.91R32.23 + VAT = R36.74

≥ 500V to < 66kV ≥ 66kV to ≤ 132kV R30.65 + VAT = R34.94> 132kV

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.

**Energy Charge:** 

5,94c + VAT = 6,77c/kWh consumed in the month

Maximum Charge:

If the total of the demand charge plus the energy charge above, divided by the number of kWh supplied in the month, exceeds 27,46c + VAT = 31,30c/kWh, then the customer will be charged at a rate of 27,46c + VAT = 31,30c/kWh of energy supplied in the month.

Monthly Rental:

When imposed in addition to the standard tariff as above, this is subject to rebate (not beyond extinction) at the following rates:

- · R2 per kVA or kW when the energy and demand charge are applicable.
- . 1,35c/kWh when the maximum charge is applicable.

The amounts in the shaded area are subject to the transmission surcharge (see page 4)

\* 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 kilowatts. Unless or until they request that their maximum demand be measured in kilovolt amperes, this will be determined in kW.

# STANDARD RATE

### **RURAL RETICULATION NETWORK SUPPLIES**

Typical Standardrate Large customers with:

· a notified maximum demand of at least 25 kW/kVA

Customers: · a relatively constant demand pattern

a supply voltage of ≤ 22kV fed off a rural reticulation network

**Basic Charge:** 

R142,93 + VAT = R162,94 per month for each point of supply

whether electricity is consumed or not.

**Demand Charge:** 

Per kVA of maximum demand supplied per month. 30-minute integrating periods are applicable.

**Demand Charge** R33,46 + VAT = R38,14

Supply voltage < 500V

R31.84 + VAT = R36.30≥ 500V to ≤ 22kV

OR

Per kW of maximum demand supplied per month\* 60-minute integrating periods are applicable

Demand charge R36,46 + VAT = R41,56R34,76 + VAT = R39,63 Supply voltage < 500V

 $\geq 500V$  to  $\leq 22kV$ 

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.

**Energy Charge:** 

6.06c + VAT = 6.91c/kWh consumed in the month

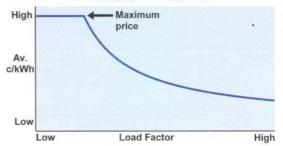
Maximum Charge:

If the total of the demand charge plus the energy charge above, divided by the number of kWh supplied in the month, exceeds 27,98c + VAT = 31,90c/kWh, then the customer will be charged at a rate of 27,98c + VAT = 31,90c/kWh of energy

Monthly Rental:

Same as for Non-Rural Reticulation Network Supplies.

Average price vs load factor



The amounts in the shaded area are subject to the transmission surcharge (see page 4)

<sup>\*</sup> 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 kilowatts. Unless or until they request that their maximum demand be measured in kilovolt amperes, this will be determined in kW.

# **NIGHTSAVE**

### NON-RURAL RETICULATION NETWORK SUPPLIES

Typical Nightsave Customers:

Large customers:

- 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
- · with a notified maximum demand of 25kW/kVA or more, and
- · who elect to pay for demand measured only during peak periods
- · with a supply not taken from rural reticulation networks

Basic Charge:

R317,67 + VAT = R362,14 per month per point of supply

whether electricity is consumed or not.

Demand Charge:

Per kVA of maximum demand supplied per month.\* 30-minute integrating periods are applicable.

 Demand Charge
 Supply voltage

 R32,85 + VAT = R37,45
 < 500V</td>

 R31,25 + VAT = R35,63
 ≥ 500V to < 66kV</td>

 R29,41 + VAT = R33,53
 ≥ 66kV to ≤ 132kV

 R27,88 + VAT = R31,78
 > 132kV

Per kW of maximum demand supplied per month\*. 60-minute integrating periods are applicable.

 $\begin{array}{lll} \textbf{Demand charge} & \textbf{Supply voltage} \\ R35,80 + VAT = \textbf{R40,81} & < 500V \\ R34,13 + VAT = \textbf{R38,91} & \geq 500V \text{ to } < 66kV \\ R32,23 + VAT = \textbf{R36,74} & \geq 66kV \text{ to } \leq 132kV \\ R30,65 + VAT = \textbf{R34,94} & > 132kV \\ No demand charge is applicable during off-peak periods. \\ Where a kW charge is applicable, the power factor under a$ 

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.

**Energy Charge:** 

e: 5,94c + VAT = 6,77c/kWh consumed in the month.

Maximum Charge:

If the total of the demand charge plus the energy charge above divided by the number of kWh supplied in the month, exceeds 27,46c + VAT = 31,30c/kWh, then the customer will be charged at a rate of 27,46c + VAT = 31,30c/kWh of energy supplied in the month.

Monthly Rental:

When imposed in addition to the standard tariff as above, this is subject to rebate (not beyond extinction) at the following rates:

- R2 per kVA or kW when the energy and demand charge are applicable.
- 1,35c/kWh when the maximum charge is applicable.

The amounts in the shaded area are subject to the transmission surcharge (see page 4).

\* 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 kilowatts. Unless or until they request that their maximum demand be measured in kilovolt amperes, this will be determined in kW.

# NIGHTSAVE RURAL RETICULATION NETWORK SUPPLIES

Typical Nightsave Customers:

Large customers:

- 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
- · with a notified maximum demand of 25kW/kVA or more, and
- who elect to pay for demand measured only during peak periods
- with a supply voltage of  $\leq$  22 kV fed off a rural reticulation network

**Basic Charge:** 

R317,67 + VAT = R362,14 per month per point of supply

whether electricity is consumed or not.

Demand Charge:

Per kVA of maximum demand supplied per month.\*
30-minute integrating periods are applicable.

 Demand Charge
 Supply voltage

 R33,46 + VAT = R38,14
 < 500V</td>

 R31,84 + VAT = R36,30
 ≥ 500V to ≤ 22kV

OR

Per kW of maximum demand supplied per month\*. 60-minute integrating periods are applicable.

Demand charge Supply voltage R36,46 + VAT = R41,56 < 500V R34,76 + VAT = R39,63 ≥ 500V to ≤ 22kV No demand charge is applicable during off-peak periods. 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.

**Energy Charge:** 

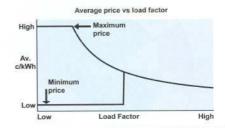
6.06c + VAT = 6.91c/kWh consumed in the month.

Maximum Charge:

If the total of the demand charge plus the energy charge above, divided by the number of kWh supplied in the month, exceeds 27,98c + VAT = 31,90c/kWh, then the customer will be charged at a rate of 27,98c + VAT = 31,90c/kWh of energy supplied in the month.

Monthly Rental:

Same as for Non-Rural Reticulation Network Supplies



The amounts in the shaded area are subject to the transmission surcharge (see page 4).

\* 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 kilowatts. Unless or until they request that their maximum demand be measured in kilovolt amperes, this will be determined in kW.

### TIME-OF-USE (T-O-U)

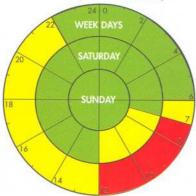
Time-of-use tariffs are appropriate for customers who are able to manage their energy consumption and maximum demand according to Eskom's specified time schedule. These tariffs are available once a satisfactory supply contract has been negotiated with Eskom.

Existing customers converting to T-O-U, where an impact study indicated a financial saving due to the conversion, will be subject to a conversion surcharge. No conversion surcharge will be implemented after 2000. This surcharge is phased out as follows:

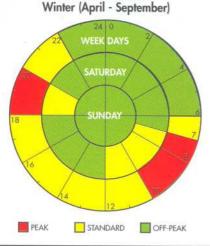
Year of implementation 1997 1998 1999 2000 % of conversion surcharge payable 72% 54% 36% 18%

### TIME PERIODS LOW DEMAND

Summer (October - March)



### HIGH DEMAND



# MEGA TIEX

Typical Megaflex Customers: Supplies of 1MVA and above.

Who can shift their load to defined time periods. Not applicable for supplies being fed off rural

reticulation networks.

**Basic Charge:** 

R50,31 + VAT = R57,35 per month whether electricity is

consumed or not.

Maximum Demand Payable in peak or standard periods on weekdays and

Saturdays.

Charge: Saturd

The integrating period is 30 minutes. High Demand (April - September) R10,52 + VAT = R11,99/kW Low Demand (October - March)

R9,48 + VAT = R10,81/kW

No demand charge is applicable during the off-peak periods.

Active Energy Charges High Demand (April - September)

Peak 18,99c +VAT = 21,65c/kWh Standard 10,65c + VAT = 12,14c/kWh Off-peak 6,11c + VAT = 6,97c/kWh

Low Demand (October - March)

Peak 17.09c +VAT = 19,48c/kWh Standard 9,56c + VAT = 10,90c/kWh Off-peak 5,50c + VAT = 6,27c/kWh

Off-peak

2,20c + VAT = 2,51c/kvarh

Supplied in excess of 30% (0,96PF) of kWh recorded during peak and standard periods. The excess reactive energy is

determined per 30 min integrating period.

Monthly Rental

A non-rebatable charge per month is levied based on the full capital expenditure involved in making the supply available. This would include a share of existing costs and any extensions to the network.

### Average price vs load factor



A voltage discount is granted as per page 4. The transmission surcharge is applicable to the shaded area above, after the voltage discount has been applied.

# **MINI**

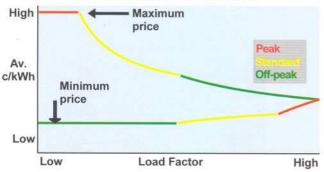
Supplies of 100kVA to 5MVA. Typical Miniflex Who can shift their load to defined time periods. Customers: Not applicable for supplies being fed off rural reticulation networks R50,31 + VAT = R57,35 per month whether electricity is **Basic Charge:** consumed or not Maximum Demand Not applicable Charge: Active Energy High Demand (April - September) Charge: 28,96c + VAT = 33,01c/kWh10,65c + VAT = 12,14c/kWhStandard Off-peak 6,11c + VAT = 6,97c/kWhLow Demand (October - March) Peak 26.07c + VAT = 29,72c/kWh9.56c + VAT = 10.90c/kWhStandard Off-peak 5,50c + VAT = 6,27c/kWhReactive 1,10c + VAT = 1,25c/kvarhnergy Supplied in excess of 30% (0,96 PF) of the kWh recorded Charge during the entire billing period. The excess reactive energy is determined using the billing

Monthly Rental:

period totals.

A non-rebatable charge per month is levied based on the full capital expenditure involved in making the supply available. This would include a share of existing costs and any extensions to the network.

### Average price vs load factor



A voltage discount is granted as per page 4. The transmission surcharge is applicable to the shaded area above, after the voltage discount has been applied.

# RURA 3

### Typical Ruraflex Customers:

Customers with 3-phase supplies fed off rural reticulation networks

- · who can shift their load to defined time periods
- who take supply from 400V up to and including 22kV.

### **Basic Charge:**

Payable whether electricity is consumed or not.

Ruraflex 1:

R272,10 + VAT = R310,19 per month.

Applicable to customers with an installed capacity of up to and including 50kVA.

Ruraflex 2:

R302.33 + VAT = R344.66 per month.

Applicable to customers with an installed capacity above

50kVA.

Active	High Demand (April - September)		
Energy	Peak	33,65c + VAT = 38,36c/kWh	
Charge:	Standard	12.71c + VAT = 14.49c/kWh	
	Off-peak	7,39c + VAT = 8,42c/kWh	
	Low Demand (Oct	ober - March)	
	Peak	30,20c + VAT = 34,43c/kWh	
	Standard	11,40c + VAT = 13,00c/kWh	
	Off-peak	6,62c + VAT = 7,55c/kWh	
Reactive	1.10c + VAT = 1,25	c/kvarh	
Energy Charge:	Supplied in excess of 30% (0,96 PF) of the kWh recorded during the entire billing period. The excess reactive energy is		

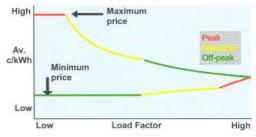
determined using the billing periods totals

### Monthly Rental:

The tariff and connection fees cover the cost of the complete installation up to 50kVA (Ruraflex 1) or 100kVA (Ruraflex 2) plus 200m of line.

A non-rebatable charge per month is levied based on the full capital expenditure involved in making the supply available, excluding the costs supported in the tariff and connection fee. This would include a share of existing costs and any extensions to the network.

### Average price vs load factor



A voltage discount is granted as per page 4. The transmission surcharge is applicable to the shaded area above, after the voltage discount has been applied.

# **BUSINESS RAT**

Typical Businessrate Customers:

Small businesses in urban areas supplied at low voltage. The maximum demand may not exceed 100kVA.

**Basic Charge:** 

Payable each month for each point of supply whether electricity is consumed or not. The basic charge is graded according to the notified maximum demand of supply at the following rates:

Rate per month

Installed capacity (in kVA) ≤ 25

**Businessrate 1** Businessrate 3 R114,35 + VAT = R130,36

R 41,29 + VAT = R 47,07Businessrate 2 R 66,70 + VAT = R 76,04

> 25 and ≤ 50 > 50 and ≤ 100

**Energy Charge** 

The energy charge is divided into 2 block rates.

High rate:

27,46c + VAT = 31,30c/kWh for the first

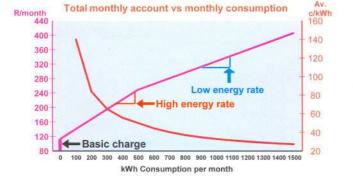
500kWh consumed in the month.

Low rate:

15,88c + VAT = 18,10c/kWh for energy consumed above 500 kWh each month.

Monthly Rental:

Monthly rentals may be imposed in addition to the standard tariff as above when the costs of providing supply exceed the standard costs covered by the tariff.



# NDRA

Landrate 1, 2, 3 Supplies in low density rural areas where the notified maximum demand does not exceed 100 kVA.

**Basic Charge:** 

The basic charge is graded according to the maximum demand

of supply at the following rates:

Notified maximum demand (in kVA) Rate per month ≤ 25

Landrate 1 R 81,48 + VAT = R 92,89

Landrate 2 R 106,86 + VAT = R121,82 > 25 and  $\le 50$ Landrate 3 R 154,51 + VAT = R176,14 > 50 and ≤ 100

**Energy Charge:** The energy charge is divided into 2 block rates.

High Rate: 27.46c + VAT = 31.30c/kWh for the first 900 kWh consumed

in the month.

Low Rate: 15,88c + VAT = 18,10c/kWh for energy consumed above

900 kWh each month.

Supplies in low density rural areas where the notified Landrate 4

maximum demand does not exceed 25 kVA, and where there is consistently less than 1 000 kWh per month being consumed.

A basic charge of R69,90 + VAT = R79,69 for each point of **Basic Charge:** 

A single energy charge of 27,46c + VAT = 31,30 c/kWh **Energy Charge:** 

Suitable for low density, low usage supplies. This tariff is Landrate Dx

limited to 10A and is not metered.

A fixed charge of R201,53 + VAT = R229,74 is payable each Fixed Charge:

month for each point of supply whether electricity is consumed

or not.

Monthly Rental and/or Cash Payment:

The capital costs associated with the supply point - including the transformer, metering equipment and 200m of line are covered by the tariff.

Landrate 1, 2, 3, 4: A monthly rental may be applied to the standard tariffs as above, to cover any additional capital expenditure not covered by the tariff.

Landrate Dx: Any additional capital expenditure not covered

by the tariff is to be paid as cash upfront.

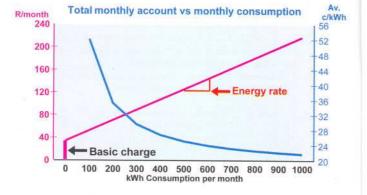


kWh Consumption per month

# HOMEPOWER

Electricity tariff for medium to high usage residential customers

Typical Homepower Customers:	Electricity supply to customers within an urban area designated by Eskom for residential usage or:  • churches  • schools  • halls  • old-age homes or similar premises.
Basic Charge:	R34,10 + VAT = <b>R38,87</b> per month for each point of supply, whether electricity is consumed or not.
Energy Charge:	18,53c + VAT = 21,12c/kWh for energy consumed each month.
Capital financing	The capital cost of providing the supply, up to a fixed limit, is recovered by the tariff.



# HOMELIGHT

The tariff has different energy rates based on the supply capacity required and is suitable for low usage residential supplies.

Typical
Homelight
Customers:

Customers requiring low usage single-phase supply of electricity for residential purposes within an area designated by Eskom, and for-

- · churches
- · schools
- · halls, or the like premises

### Subsidy:

The tariff provides for a subsidy to low usage customers.

### Homelight 1:

Applicable where the capital cost of providing the supply, up to a fixed limit, is recovered by the tariff. This amount may be lowered where capital subsidies are provided, or in areas where seasonal usage occurs.

Energy Charge:

Supply Capacity Energy Charge

8 A (Pilot)	23,80c + VAT = 27,13 c/kWh (Pilot Projects only
20 A	24,72c + VAT = 28,18 c/kWh
60 A	25,64c + VAT = 29,23 c/kWh

### Homelight 2:

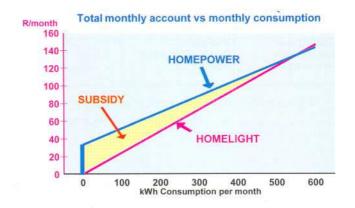
Applicable where the capital cost of the local electricity infrastructure excluding the service connection costs (service cable/line, electricity dispenser, ready board, etc.) has been paid for in advance by the customer/s or another party.

### **Energy Charge:**

### Supply Capacity Energy charge

20 A	21,14c + VAT = 24,10 c/kWh
60 A	22,06c + VAT = 25,15 c/kWh

The graph below illustrates the subsidy to low usage customers on Homelight 1 versus Homepower.



### **ELECTRIFICATION OF WORKERS' HOUSES**

Eskom supports the electrification of workers' houses on the premises of Eskom customers and has the following methods to facilitate this. These methods can be classified under two strategies

STRATEGY A: The workers do not become direct Eskom customers but are supplied by an Eskom customer.

### METHOD 1: INDEPENDENT CUSTOMER EXTENSIONS

An Eskom customer extends an existing supply point or takes a new Eskom supply point for workers' houses without any direct financial assistance from Eskom.

Number of houses:

Any number

Incentive:

None

Tariff to workers:

Determined by the Eskom customer

### METHOD 2: CUSTOMER EXTENSIONS WITH ESKOM ASSISTANCE

An extension is made by the customer beyond his own point of supply to each workers' house in the same way as in Method 1. However, Eskom will assist financially by offering an electrification incentive with a requirement that the customer complies with certain conditions.

Number of houses:

Any number

Incentive:

R1000 towards the cost of supply

Tariff to workers:

Determined by the Eskom customer

STRATEGY B:

The workers become direct Eskom

customers

### METHOD 3: LIMITED ESKOM HOMELIGHT SUPPLIES

Eskom directly makes supplies available to workers at the standard Homelight tariff. The Eskom contribution is subject to the following criteria:

Number of houses:

Between 10 and 50

Eskom investment:

R 700 for network R 100 for appliances

Tariff to workers:

Homelight 1

The difference between actual cost and Eskom's contribution is payable by the owner. The owner must also provide first line maintenance.

### METHOD 4: STANDARD ESKOM HOMELIGHT SUPPLIES

Where more than 50 houses are supplied from one point of supply or in close proximity to one another, the normal Homelight electrification guidelines will apply.

Number of houses:

More than 50

Eskom investment: Tariff to workers:

22

Up to R2500 per supply Homelight 1

rs: Homelight 1

# PRICING FOR INTERRUPTIBLE SUPPLIES

Eskom now offers incentives for supplies which are interruptible. These incentives can be offered because of the cost savings incurred by Eskom when these supply interruptions are used as follows:

- To match available supply with demand and hence retain power system stability and integrity.
- To schedule the most economic option, thus interrupting supply to a customer rather than scheduling more expensive generation.
- To defer long term capital investment by having interruptible capacity available and taking it into consideration when doing system planning.
- Additional revenue can be generated by allowing nonfirm marginal sales for customers with interruptible supplies during periods of uncertain surplus capacity.

The following pricing options are available:

	1	2	3	4	5
OPTION	Short term interruptible base sales	Short term curtailable base sales	Short term interruptible marginal sales	Short term emergency base sales	Long term interruptible base & marginal sales
Contract period * ≤ 5 years * ≥ 15 years	V	~	~	-	V
Notice period * No notice * < 4 hours	·	2	~	~	~
Used by Eskom * Tight conditions * Contingencies * Emergencies * Postpone capacity	× ×	· ·	2	v	, ,
Price incentive  Pre-event tariff discount  Post event energy rebate	<i>2</i>	~	~	v	v

Options 1 and 2 can be structured with or without a notice period, or a combination of both.

# PRICING FOR INTERRUPTIBLE SUPPLIES (cont)

The maximum incentives to be negotiated are based on the following:

Option 1: No notice - Maximum of 80% x avoided cost

Notice - 60% x avoided costs

Option 2: No notice - 60% x avoided cost Notice - 40% x avoided cost

Option 3: Based on profit sharing between Eskom and the customer

Option 4: Cost of unserved energy to the contracted customer

Option 5: Determined based on individual study

Eskom's avoided cost is revised annually and is 49,4c/kWh in 1997.

Minimum interruptions of 1 hour, 20 times per year.

 Customer with notice option can be placed on standby in which case an incentive will be paid.

 Customers buying through a request for curtailment will do so at the rate payable to a no-notice interruptible customer.

Any such option will be subject to suitable arrangements being made in respect of systems and the signing of an agreement between the involved parties.

# FUTURE DEVELOPMENTS IN ELECTRICITY PRICING

### RESIDENTIAL DEMAND SIDE MANAGEMENT (RDSM)

The electrification drive has resulted in a large number of additional customers which will increase significantly in the future. The impact of these new residential customers has already influenced the national demand profile. Eskom will have to start planning for the additional demand for electricity. There are a number of options in this regard, one of which is to build new power stations. Options like this mean one thing, the price of electricity will have to increase to accommodate the cost of providing the extra capacity. Because of this, Eskom has embarked on the development of a RDSM programme. The subprogrammes under investigation are as follows:

- Residential time-of-use tariffs (Homeflex)
- Water heating load management
- Appliance labeling
- Thermal efficiency
- Efficient lighting
- Efficient behaviour
  - Managing with limited circuit breaker capacity.

Residential time-of-use tariffs are currently under investigation on a national basis and both Eskom and municipal customers are involved in this study. It is envisaged that these tariffs will be most successfully used in conjunction with the other RDSM programmes.

By implementing these programmes on a large scale to all residential customers in South Africa, these customers can help Eskom delay investment in additional capital plant and thereby keep the price of electricity as low as possible.

### NON-ESKOM GENERATION DIRECTIVE

This directive will position Eskom to respond to the impending competitive generation environment in the South African electricity supply industry, through setting out how, when and for what purpose Eskom will interact with non-Eskom generators.

### **ADVISORY SERVICES**

Eskom provides a number of advisory services to a large spectrum of customers ranging from manufacturing to residential customers. These services form part of a series of brands which endeavour to meet different customer needs. Eskom has trained advisors specialising in various customer categories. The advisors can be contacted at your nearest Eskom office (please refer to page 2). The advisory service is free of charge except in the case where a particular detailed study is undertaken on request by an industrial, commercial or agricultural customer.

### ELEKTRO WISE

ElektroWise provides residential customers with free advice that will make their lives a little easier. This includes information on the safe and economic use of electricity. Further information is provided regarding available appliances so that customers can instantly experience the benefits of electricity. ElektroWise customers include rural and urban residential customers of all income groups. Examples of products developed for this market include basic appliance packages (e.g. hot plates, kettles and irons) at cost and bucket hot water systems. For further information, phone 0 800 131 300 toll free or your nearest Eskom office.

### **BELEKTROSERVE**

ElektroServe provides professional advice on energy use to commercial customers. This may include analysis and assessment studies to determine where wastage of energy is taking place, or introducing the customer to electrically powered technology that can improve profitability and customer satisfaction. ElektroServe customers include owners and decision-makers of commercial concerns who use electricity in providing a service to customers. Technologies include hot water systems and medical waste disposal systems.

For further information, phone 0 800 036 333 toll free or your nearest Eskom office.

### **阅 AGRELEK**

Agrelek renders an advisory service to agriculture and has as its main objective the increase of electricity sales within the agricultural market. Agrelek advisors introduce farmers to new electro-technologies that will help them to farm more cost-effectively. New technologies are investigated in the field of food processing, irrigation and drying. Agrelek customers include established commercial farmers and small and medium scale farmers.

For further information, phone 0 800 037 333 toll free or your nearest Eskom office.

### O INDUSTRELEK

Industrelek provides industrial customers with solutions to their energy problems. This includes advice on the wider and wiser use of electricity, optimisation of production processes, information on new electrical technologies and cost-effective tariffs. Advice is available on the following sectors: chemicals (e.g. process drying), the non-metallic sector (e.g. waste management applications), paper and pulp sector (e.g. infra-red heating) and the textile sector (e.g. fabric drying).

For further information, phone 0 800 036 333 toll free or your nearest Eskom office.

LANDRA RURA ... BUSINESS WITE **ESKOM: GENERAL TARIFF GUIDELINE** MEGA 000 kVA MINIS ES 0 day? RURAFLEX YES STANDARD PATE NIGHTSAVE



# STANDARD CHARGES - 1997

R2017,54 R2300 ACTUAL COSTS ACTUAL COSTS ACTUAL COSTS R2017.54 R2300 \*\* # ONLY THE FIRST CONVERSION FROM LANDRATE 1 TO LANDRATE 4 IS FREE, THEREAFTER THE FEE IS PAYABLE R2017.54 R2300 R2017.54 R2300 R100.88 R115 ACTUAL COSTS R184.21 R210 MINIFLEX R100.88 R115 R33,33 R38 R48.25 R55 SEE TARIFF CHANGE FEE R3947.37 R4500 \*\* R3947.37 R4500 \*\* R3947,37 R4500 \*\* R3947.37 R4500 \*\* ACTUAL COSTS R100,88 R115 ACTUAL COSTS MEGAFLEX R100.88 R115 R184.21 R210 R100.88 R115 R230 R3947.37 R4500 R55 R100.88 R115 R33.33 R38 R48.25 R201.75 (WHERE SEEN AS UNDESTRABLE BY ESKOM) RADO | RADO | RADO | RESERVING (\*\*\*) | RESERVIN R3947.37 R4500 \*\* R3947.37 R4500 \*\* ACTUAL COSTS STANDARDRATE ACTUAL COSTS & NIGHTSAVE H33.33 R38 R48.25 R55 R100.88 R115 P100.88 H115 ADJUSTED MR ACTUAL COSTS R201.75 R230 ADJUSTED MR R100.88 R115 R184.21 R210 R2017.54 R2300 \*\* R2017.54 R2300 \*\* ACTUAL COSTS TARIFF CHANGE FEE R2017.54 R2300 \*\* R100.88 R115 R100.88 R115 Dx R100.88 R115 ACTUAL COSTS R230 RURAFLEX RH15 RT84.21 R210 R100.88 R201.75 R701.75 R800 CR COST OF RECONNECTION, WHICHEVER IS HIGHEST + CONNECTION FEE, WITH POSSIBLE PROSECUTION R1350.88 R1540 \*\* R675.44 R770 Dx\*\* R675,44 R770 ACTUAL COSTS R1350.88 R1540 \*\* R1350.88 R1540 \*\* R675.44 R770 \*\* H201.75 R230 Dx R675,44 R770 P660 R100.88 R115 R1350.88 R1540 R675.44 R770 # R100.88 R115 Dx R100.88 R115 R1350.88 R1540 \*\* R675.44 R770 N PEE MAY BE CHARGED H18.42 R135 R153.51 R175 R675.44 R770 LANDRATE & R675.44 R770 = CALL OUT FEE - PAYBLE WHEN ESKON IS CALLED OUT DUE TO A SUPPLY INTERRUPTION AND THE FAULT IS FOUND TO BE ON THE CUSTOMENS INSTALLATION OF PAYBLE WHEN A WRITTEN NOTICE IS SENT OUT PRIOR TO DISCOME R578.95 THE REMAINDER IS TO BE PAID BY THE CUSTOMER DEVELOPER OVER AND ABOVE THE CONNECTION FEE. R1184.21 R1350 OR COST OF RECONNECTION, WHICHEVER IS HIGHEST, WITH POSSIBLE PROSECUTION R1052.63 R1200 \*\* R526.32 R600 \*\* R100.88 R115 \*\* ACTUAL COSTS
ACTUAL COSTS CONNECTION FEE BUSINESSRATE R100.88 R115 P660 R1350.88 R1540 R1350.88 R1540 SEE CONNECTION FEE SEE CONNECTION FEE R100.88 R115 SEE CONNECTION FEE SEE CONNECTION FEE SEE CONNECTION FEE SEE CONNECTION FEE FROO RH35 R175 R100.88 R115 RES R33.33 R38 R578.95 R48.25 H526.32 R118.42 R153.51 R350.88 R400 \*(\*\*) ACTUAL COSTS > 60A R100.88 R115 \*\* ACTUAL COSTS ACTUAL COSTS R350.88 R400 \*\* R350.88 R400 \*\* R100.88 R115 R100.88 R115 R660 R350.88 R400 \*\* R350.88 R400 \*\* R48.25 R55 +MR HOMEPOWER P1052.63 R1200\* R1350,88 R1540 R1350.88 R1540 R135 RH15 R175 R350.88 R400 R33.33 R38 RSS 60A THIS IS A GUIDELINE OF THE CHARGES - WHERE THERE ARE NEGOTIATIONS OR ADDITIONAL COSTS INVOLVED THESE CHARGES MAY BE HIGHER R48.25 E CHANGE IN METER TYPE - THIS FEE IS PAYABLE OVER AND ABOVE CHANGE IN SUPPLY SIZE FEE IF THE CHANGE IN METER TYPE COINCIDES WITH A CHANGE IN SUPPLY SIZE H578.95 R118.42 R153.51 B100.88 CHANGES HANDS IF IN RURAL AREAS THE CUSTOMER PR HOMELIGHT 1 & 2 HOMELIGHT 1 & 2 R350.88 R400 '(") R175.44 R200 \*\* R660 ACTUAL COSTS R350.88 R400 R350.88 R400 \*\* R350.88 R400 R350,88 R400 R135 R100.88, R115 R33,33 R38 R350.88 R400 RSS 60A R578,95 R48.25 R118.42 = METER TEST FEE. PAYABLE WHEN A METER TEST IS PROJESTED BY THE CUSTOMER. F.A.F. FLUCT IS FOUND VITH THE METER, THE FEE IS REFUNDED THE ABOVE PLUS PROSECUTION COMPULSARY (\*) THE FEES ARE THE MINIMUM GASH AMOUNTS PAYABLE. IF ACTUAL COSTS ARE HIGHER THAN THE PEES GIVEN, THEN ACTUAL COSTS ARE PAYABLE H57.02 H65 \*(\*\*) R175,44 R200 \*\* P660 # RECONNECTION IN THE EVENT OF A CUT-OFF DUE TO NON-PAYMENT OF A CONVENTIONALLY METERED SUPPLY. ACTUAL COSTS P100.88 R115 R100.88 R115 R701.75 R800 AND/OR PROSECUTION R135 R100.88 R115 R33.33 R38 CONVERSION FEES FOR EXISTING POINTS OF SUPPLY Res R48.25 R55 NO CHARGE R350,88 R400 NO CHARGE 20A R578,95 H57.02 R118.42 = SPECIAL METER READING FEE - PAYABLE WHEN A SPECIAL METER READING IS DONE AT THE CUSTOMERS REQUEST. = NEW POINTS OF SUPPLY (NOTE THAT FOR HOMELIGHT 2. ESKOM WILL INVEST A MAXIMUM OF B1000 (R1140) Reso ACTUAL COSTS R87.72 R100 HOMELIGHT NO CHARGE = TRANSFER FEES - PAYABLE BY A NEW CUSTOMER WHEN OWNERSHIP OF A CONVENTIONALLY METERED SU RH36 P100.88 R115 8A (PILOT) NO CHARGE NO CHARGE R48.25 R55 R33.33 R38 R578.95 R118.42 = TARIFF CHANGE FEE: THE FEE IS PAYABLE IN ADDITION TO A CHANGE IN METER TYPE FEE TARIFF = SECOND (NEW) POINT OF SUPPLY ON ONE PROPERTY (SINGLE PHASE) - CHANGE IN CIRCUIT BREAKER (WITH CHANGE IN BASIC CHARGE) CHANGE OF CIRCUIT BREAKER (NO CHANGE IN BASIC CHARGE) = WHERE SERVICE CONNECTION HAS BEEN REMOVED BY ESKOM CONVENTIONAL TO/FROM PREPAYMENT (SINGLE PHASE) CONVENTIONAL TO/FROM PREPAYMENT (THREE PHASE) REMEDIAL ACTION CHARGES \* REPEAT OF ILLEGAL CONNECTION FIGURES GIVEN IN ITALICS REFERS TO THE VAT EXCLUSIVE RATE # WHERE SUPPLY IS RECONNECTED ILLEGALLY, METER FROM STANDARDRATE AND NIGHTSAVE TO THREE PHASE - CONVENTIONAL METER - THREE PHASE - PREPAYMENT METER - UNDERGROUND OR IN RURAL AREAS CONNECTION FEES = UP OR DOWNGRADES IN SUPPLY SIZE SERVICE CHARGES - NON TIME-OF-USE TO TIME-OF-USE FROM HOMELIGHT 1 - 20A TO FROM HOMELIGHT 1 - 60A TO FROM HOMELIGHT 2 - 20A TO FROM HOMELIGHT 2 - 60A TO · URBAN (HIGH DENSITY) AREAS · URBAN (HIGH DENSITY) AREAS - RURAL (LOW DENSITY) AREAS - RURAL (LOW DENSITY) AREAS · URBAN (HIGH DENSITY) AREAS - OVERHEAD IN URBAN AREAS · SPECIAL METER READING FEE · RURAL (LOW DENSITY) AREAS · CHANGE OF TRANSFORMER FROM BUSINESSRATE TO - SINGLE TO THREE PHASE - THREE TO SINGLE PHASE = SHIFT IN POINT OF SUPPLY FROM HOMEPOWER TO PROGRAMMABLE METER · METERING INSTALLATION BY-PASSED OR SABOTAGED FROM PILOT - 8A TO · SINGLE PHASE METER THREE PHASE METER = ILLEGAL CONNECTION FROM LANDRATE = CHANGE OF PHASE · FROM RURAFLEX SINGLE PHASE