

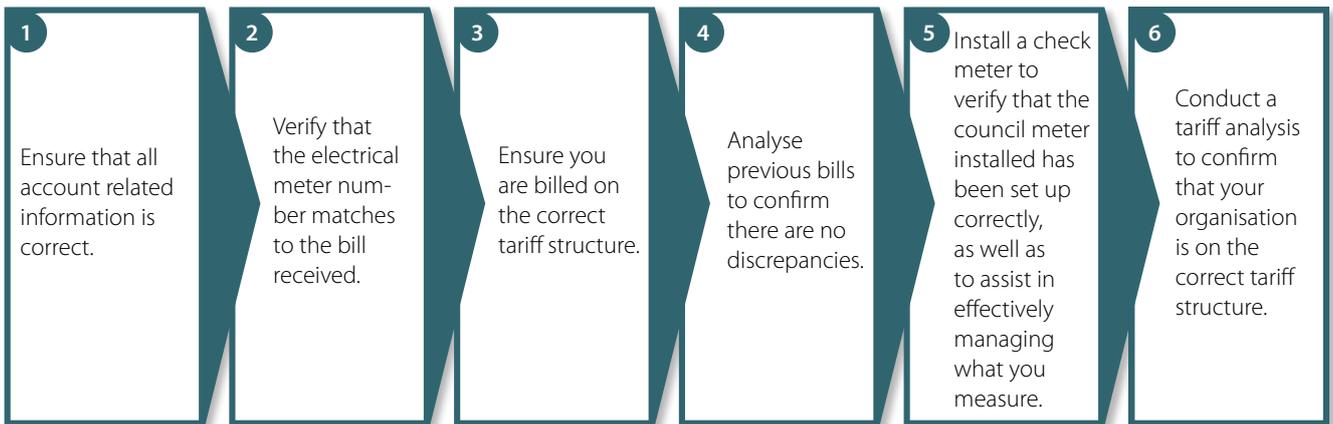


HOW TO READ YOUR ELECTRICITY BILL

Systematic approach

By comprehensively understanding your electricity bill, you guarantee that the utility service is effectively managed and thus make your business sustainable.

Always follow these six step when reading your electricity bill:



An example of an electricity bill

The example that follows describes the consumption data and costs associated with an eThekweni electricity invoice, other retailers such as Eskom and local municipalities have different layouts for their bills but generally exhibit similar data.

LEGEND FOR THE FIGURES TO FOLLOW:

1 Tax invoice number: This is typically used by the accounts department for VAT purposes.

2 Client's address and account details: Confirm that this information is correct for your company.

3 Account number: Use this as reference when making payment or querying a problem on your account.

4 This should reflect your company's VAT number.

5 This is the balance brought forward from the previous month, as well as confirmation that the retailer has received payment from your company.

6 The total payment expected by the retailer for the current consumption.

7 Details for the retailer when making payment.



Detailed Invoice



8

Bulk Electricity

For Bulk Electricity account queries, please contact 031 3111203 and for Meter queries contact 031 3119105 or 031 3119275"

Reference - 9

Bulk Time of Use - TOU 10

Industry Type		Supply Voltage	132kV
Notified Maximum Demand	35588.00	CT Ratio	1.00
70% of Notified Maximum Demand	24911.60	VT Ratio	1200.00
Notified Minimum Demand	0.00	Installed Capacity	
Exceeded Notified Maximum Demand	-		

Meter No.	Register	Previous Meter Reading	Current Meter Reading	Reading	Usage	
		Date	Reading	Date	Constant	
8634	Energy Std	2015/03/31	0.00000	2015/04/30	6054.75000	1200.00 7265700.00 kWh
8634	Energy Peak	2015/03/31	0.00000	2015/04/30	2342.91000	1200.00 2811492.00 kWh
8634	Max Demand	2015/03/31	0.00000	2015/04/30	26.76000	1200.00 32112.00 kVA
8634	Energy OffPk	2015/03/31	0.00000	2015/04/30	9396.48000	1200.00 11275776.00 kWh

Meter reading period from 2015/03/31 to 2015/04/30 15

Description	Units	Rate (R)	Amount (R)
Active energy - peak	2811492.00000 kWh	0.7280 /kWh	2,046,766.18*
Active energy - standard	7265700.00000 kWh	0.5194 /kWh	3,773,804.58*
Active energy - off-peak	11275776.00000 kWh	0.3562 /kWh	4,016,431.41*
Network Demand charge	32112.00000 kVA	70.5000 /kVA	2,263,896.00*
Network Access charge	35588.00000 kVA	22.2500 /kVA	791,833.00*
Voltage Surcharge	R 12892731.17	2.25%	290,086.45*
Service charge	-	2659.0500 p.m	2,659.05*
Sub-total			13,185,476.67
VAT raised on items marked with an asterisk (*)			1,845,966.74
Total Bulk Electricity			13,185,476.67

kVA = kilovolt ampere; kWh = kilowatt hours, kWh/day = kilowatt hours per day; /kWh = per kilowatt hour; p.m. = per month

Total current month's charges (as displayed on the Summary Page) 13,185,476.67



Did you know?

- The tariff structure is dependent on voltage intake; distance from the source; as well as maximum demand, which must be approved by the National Energy Regulator of South Africa (NERSA). In many instances reducing your notified maximum demand can yield monetary savings that can take into consideration future expansions etc.
- If you are on a time of use tariff structure and have large inductive loads such as electrical motors etc., it is imperative that power factor correction (PFC) is installed on your main incomer. Additional monetary savings can be achieved by load shifting, i.e., shift loads to operate during off peak or standard periods where the average weighted R/kWh is relatively cheaper to operate.

8

Clients address and account details: Confirm that this information is correct for your company.

9

Reference: This refers to the actual physical address for your company. Review and confirm if these details are correct.

10

This refers to the type of tariff structure your company is registered with the retailer.

11

The supply voltage that the retailer supplies your company with.

12

Details of the tariff structure your company is billed on.

13

Meter number: Confirm if these details are correct.

14

This is the actual energy consumption and demand for the billing month.

15

Meter reading period notes the date and month.

16

This is active energy broken up into peak, standard and off peak for the ITOU tariff structure.

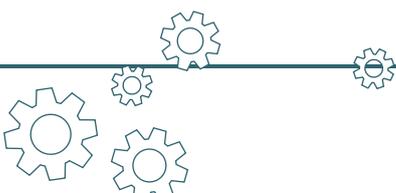
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Network demand charge: This is a charge that is variable on a month-to-month basis and is charged on the actual demand measured. Demand charge is the highest actual demand recorded over a 30 minute period during the billing period. Network demand charge is dependent on the power factor of the site and is only applicable to TOU tariffs.

Network access charge is a tariff component that is fixed on an annual basis and is charged as a R/kVA on the greater of the notified maximum demand or the actual demand. The network access charge should be the highest kVA that the customer expects the municipality to be in a position to supply.

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Voltage surcharge is dependant on your companies intake voltage.



Detailed Invoice

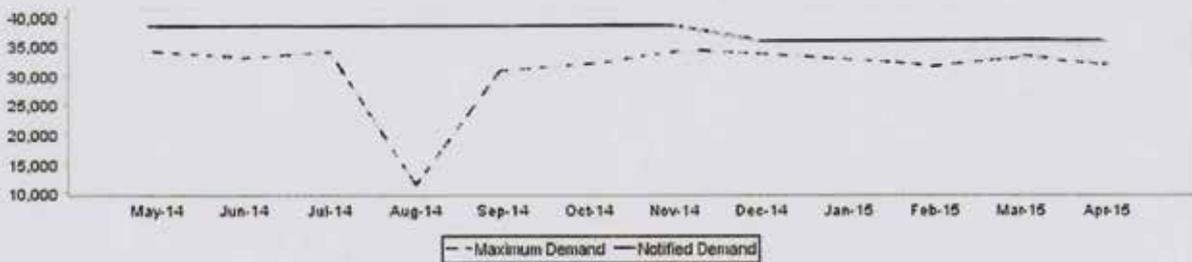


Previous Electricity Metered Services Consumption

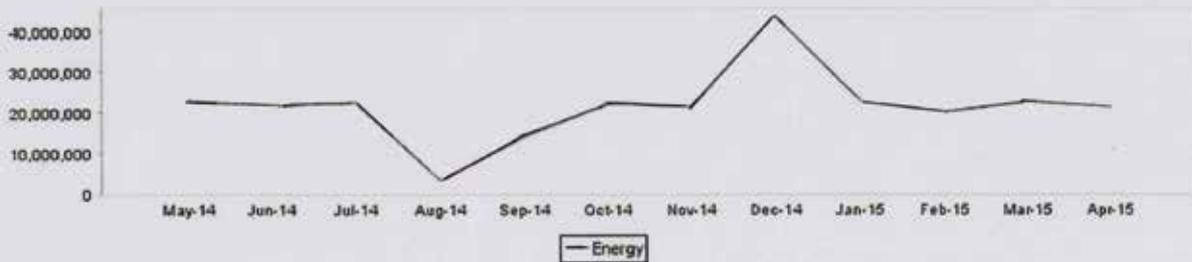
	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14
Notified demand (kVA)	38088.00	38088.00	38088.00	38088.00	38088.00	38088.00
Maximum demand (kVA)	33840.00	32688.00	33768.00	11016.00	30744.00	31680.00
Energy (kWh)	23196492.00	22094244.00	22745736.00	3095820.00	13764456.00	22098240.00
Rands	10045441.71	15067269.55	17516953.24	2280687.66	6397909.81	10505866.32

	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15
Notified demand (kVA)	38088.00	35588.00	35588.00	35588.00	35588.00	35588.00
Maximum demand (kVA)	34056.00	33552.00	32400.00	31536.00	33120.00	32112.00
Energy (kWh)	21552588.00	43520186.32	22554396.00	19941480.00	22529916.00	21352968.00
Rands	10042266.80	20134244.71	10536418.47	9403025.96	10590754.15	9837002.17

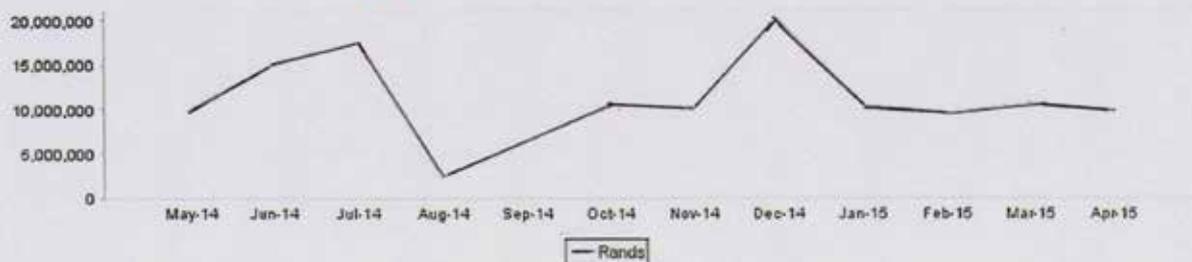
Maximum Demand / Notified Demand



ENERGY



RANDS



19 Reflects the yearly profile of energy consumption, cost spent and maximum demand on a year to date basis.

20 An illustration of the maximum demand vs. NMD profile on a year to date basis.

21 An illustration of the energy profile on a year to date basis.

22 An illustration of the cost in rands on a year to date basis.

