

# Eskom

## Load Optimisation Fact Sheet



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### Optimising your business for future growth

Eskom realises that businesses are focused on managing their electricity expenditure and therefore provides a load profile audit service, which can curb your electricity inefficiencies and help you to expand your business.

Eskom's Energy Advisors are able to help you optimise your load profile, which can assist you to free up electrical capacity. This will enable you to expand your business while saving on the cost of unnecessarily applying for new supply points or upgrades in supply. A load profile audit can verify if the electrical productivity of your business is optimal and may result in you expanding your operation, with limited to no additional investment.



### Eskom is your business partner

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Eskom's primary aim is to provide support and guidance on helping you expand your business. An electrical usage load profile audit is part of a basket of services offered by Eskom's nationwide team of technically qualified energy advisors. Improving your business efficiencies and increasing your production will ensure that your business is operating optimally, providing you with the opportunity to expand your business and contribute to the development of the economy.

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### Growing your business through energy use intelligence

Successful business's need to have a clear understanding of how managing your load profile can benefit you. It is essential that you understand your energy use to be able to make informed decisions. We have listed some key pre-requisites that will help you optimise your energy use:

- Understand your electrical systems and associated processes. For example; irrigation systems if you are farming. Heating, ventilation and air conditioning systems if you are managing a commercial facility and manufacturing processes if you are an industrialist.
- Know and understand your energy requirements.
- Recognise where and when you use energy during any given period on a daily, weekly, monthly and annual basis.
- Knowledge of the latest technology and process developments relevant to your sector and operations.
- Analysis and research on how you can reduce energy investment costs, e.g. new supply points.
- Review and investigate how your energy use patterns can be shifted from peak to off-peak time-of-use or standard periods.



- Consider how your seasonal energy use patterns can be managed.
- Manage the constraints in your systems.

This intelligence is fundamental to the growth and success of your business. Eskom's Energy Advisors specialise in curating this intelligence to help you better understand your energy needs. Understanding of your energy use patterns within your operation provides an informed view, thus helping you and your advisor determine how much additional capacity you need and how to restructure or trim your current demand to free up capacity to grow your operation.

## What are the opportunities offered by Load Optimisation



Audit refers to a review done by a technically qualified Eskom energy advisor, will undertake a level 1 audit. Load optimisation can offer numerous opportunities and benefits to your business. We understand that wear and tear and lack of maintenance cause your systems to become inefficient - resulting in an increase in your electricity consumption. A load profile audit will assist to identify the potential areas of improvement as well as possible upgrade options.

We can assist by recommending power factor correction and managing electricity consumption optimally, which can free up capacity to accommodate your additional demand. We provide guidance on how to shift and clip

loads where non-essential, or unnecessary equipment or processes are switched off during certain times of the day. This can also free up additional capacity.

We can advise on more energy efficient systems and technologies.

## For a free load optimisation audit contact Eskom Energy Advisors



These audits are provided free of charge, however in-depth energy use studies that require specialised measurement equipment or services by a specialist consultant or contractor would carry a charge. This will be explained and you will be requested to agree on whether to proceed upfront, should this be required.

If you would like to see how you can better use your electricity you can e-mail your closest advisor at [advisoryservice@eskom.co.za](mailto:advisoryservice@eskom.co.za).

You may also call Eskom's contact centre on 08600 37566, to request that an Energy Advisor in your area contact you to initiate a load optimisation audit.

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If you would like to see how you can better use your electricity you can e-mail your closest advisor at [advisoryservice@eskom.co.za](mailto:advisoryservice@eskom.co.za). You may also call Eskom's contact centre on **08600 37566**, to request that an Energy Advisor in your area contact you to initiate a load optimisation audit.