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For more information on Smart Meters and
Load Limiting e-mail: customerServices@eskom.co.za

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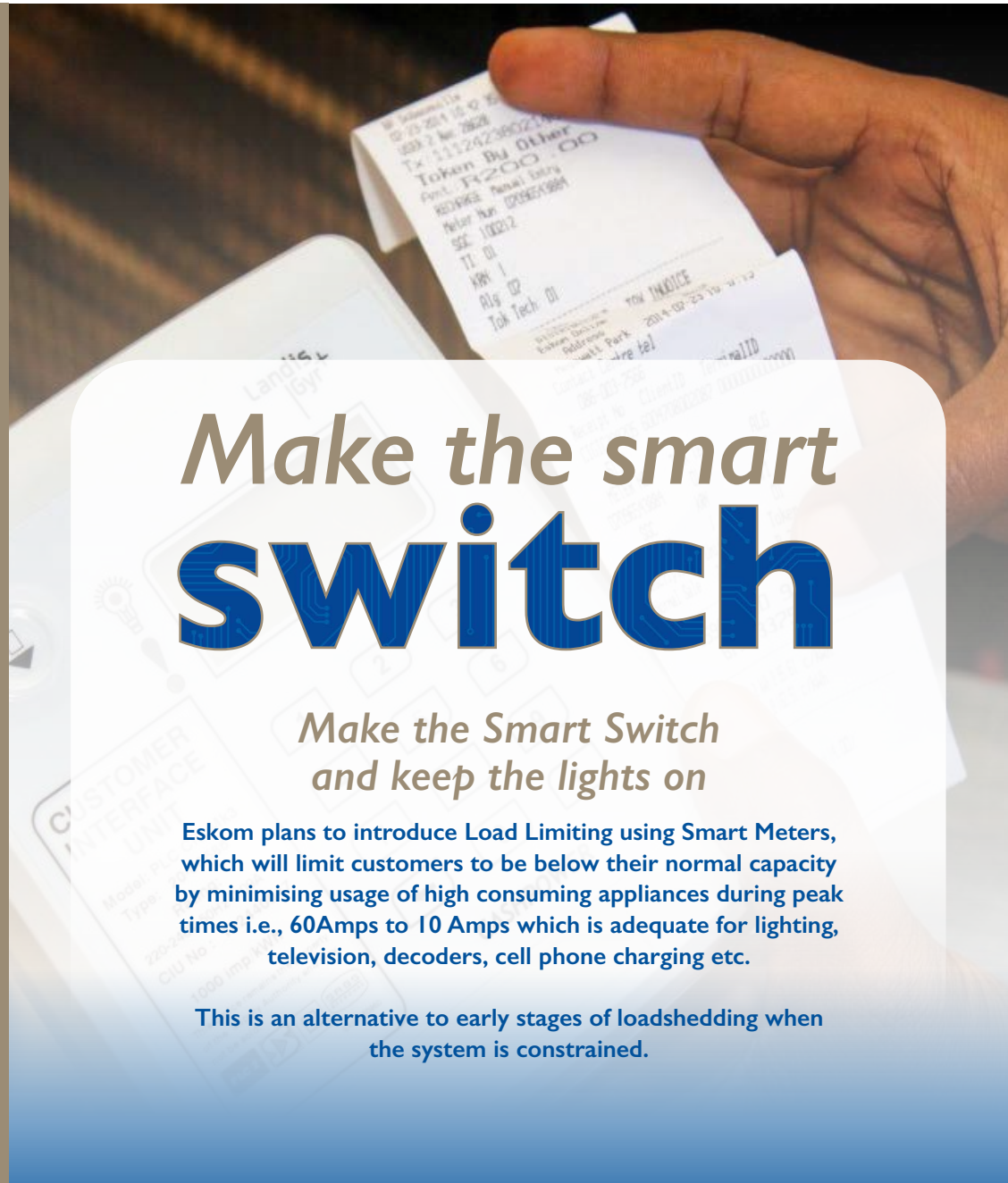

Make the smart switch

Make the Smart Switch and keep the lights on

Eskom plans to introduce Load Limiting using Smart Meters, which will limit customers to be below their normal capacity by minimising usage of high consuming appliances during peak times i.e., 60Amps to 10 Amps which is adequate for lighting, television, decoders, cell phone charging etc.

This is an alternative to early stages of loadshedding when the system is constrained.

The Load Limiting process

Load limiting is a demand management solution that allows Eskom to accurately determine available supply in relation to consumption in real time. Eskom will therefore alert Smart Meter customers, who are above the required consumption threshold to cut down their electricity usage.

To activate load limiting, a schedule is sent remotely to the meter during the beginning of the pilot and is set to expire after a pre-determined period. Customers are encouraged to switch off high consuming appliances like geyser, stove, washing machine, and pool pump during this period.

If such appliances are not switched off, the meter will disconnect supply for a period (configured) and display reasons on the meter for the disconnection. In this case the meter will display "Power overload".

An advantage of load limiting as compared to traditional loadshedding is that the output power of the meter is limited for the duration of what would have been a loadshedding period, leaving the customer with enough power for lights and essential appliances i.e., TV, computer, and cell phone charger.

Smart meters allow Eskom to temporarily load limit a meter from 60A to 10A for the duration of the loadshedding period as compared to being completely cut off. It also automatically resets back to its original state after loadshedding.

When the solution is fully implemented it allows areas with smart meters to be excluded from stage 1 and 2 loadshedding. Just like loadshedding, load limiting will only be applied when the system is constrained or to avoid some levels of loadshedding.

Benefits of Load Limiting