



DRAKENSTEIN

MUNISIPALITEIT • MUNICIPALITY • UMASIPALA

Paarl | Wellington | Gouda | Saron | Simondium

Electricity Losses Policy

Date of Approval/Review by Council

31 May 2019

Implementation Date

1 July 2019

Signed by the City Manager

Signature

31 May 2019

TABLE OF CONTENTS

1. Scope
2. Objective
3. Types of losses
4. Technical losses
5. Non-technical losses
6. Control and monitoring
7. Reporting

Two handwritten signatures in black ink, one on the left and one on the right, located at the bottom right of the page.

1. Scope

The scope of this policy is to identify and describe electrical losses that are experienced on distribution system and to find ways to keep these losses to a minimum.

2. Objective

The objective of the municipality must be to minimize these losses that occur to a minimum, as these losses can have a huge financial impact as the municipality have to pay for electricity that cannot be billed to consumers.

3. Types of losses

The municipality have two types of losses that can occur in the distribution of electricity.

4. Technical losses

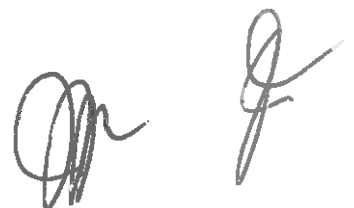
These losses occur due to heat dissipation when electricity flows through the system conductors which consists of either copper or aluminium.

5. Non-technical losses

These losses occur due to theft (illegal connections, meter tampering) and incorrect metering.

6. Control and monitoring

- The municipality must have the intention to keep the losses of electricity below a certain percentage of the total electricity purchased from Eskom.
- To keep the technical losses to a minimum a telemetry program monitor the control of the distribution system to keep a balanced even flow of electricity through the system.
- To keep the non-technical losses to a minimum, the metering of electricity must be monitored sufficiently.
- The billing system must be used to detect possible cases of illegal connections and electricity theft or use without payment.
- Regular metering audits will be carried out to ensure meters are recording correct energy use at registered tariffs.
- If theft is detected, the electricity supply to the premises will be disconnected and a fine will be issued. An attempt will also be made to determine the units stolen and to recover the cost from the consumer.



7. Reporting

The total losses that a municipality may incur for electricity must be made public in the annual financial statements of the municipality.

I:\DepthoofHocfdepf.Sekretarisse\WA\Electricity losses policy

