

Replace with
Municipal
Logo

Presentation Title

Midvaal Local Municipality

Municipal Energy Management Workshop

Cape Town 11th - 12th July



mineral resources
& energy
Department:
Mineral Resources and Energy
REPUBLIC OF SOUTH AFRICA

Municipal Overview

Location:

- Meyerton

Size of Municipal:

- 1722 Square km

Population:

- As per the 2016 Community Survey Midvaal has a population of 111 612 People

Annual internal energy consumption

- 7,695,440 kWh

Municipal Staff that will be involved in the MEMS Programme:

- 6 Staff

Challenge / Success Area Title

- MLM MEMS Policy was approved in 2022
- EPC studies done with Urban earth in 2022
- Electricity Distribution losses reduced from 18% to 9.24% for 2021/22 financial year
- Improved surplus from R2.1M to R50.8M
- EEDMRE funding for internal EE projects

What did the municipality do

- MLM reduced distribution losses and urban earth assisted a lot with getting unaccounted meters on municipal buildings registered with finance and some buildings and streetlights were not metered at all.
- Through the formation of the MEMS committee, it was very easy to embark on an EPC study as all the relevant stakeholders were already the members of the committee. The load inventory sheets form **Sanedi** are populated, and the energy grading of building are done. MLM just needs to appoint a Service Provider to issue an EPC and we have the budget for 2023/24

Results

- The MEMS committee contributed to approximately 1.5% reduction in distribution losses but more importantly it was confidence building block as we then applied this meticulous approach in other revenue streams and got the ultimate results i.e., 18% to 9.24% losses reduction.
- The consultation fees for the issuance of the EPC by the external service provider will significantly reduce. This is as result of the groundwork done by MLM and urban earth. These consultation fees savings will be re-invested in the MEMS implementation plan.

Lessons

- If you take care of the cents, the rands will take care of themselves.
- The formation MEMS committee sparked a culture of energy efficiency which then led to inferno that saw MLM improving its surplus from R2.1M to R50.8M for FY 2021/2.