

**Ndivho Lukhwareni**

*Group Head: Energy and Electricity  
City of Tshwane Metropolitan Municipality*

I have graduated with a degree in electrical Engineering B.Sc. in 1992. I am also a registered professional engineer with the Engineering Council of South Africa (ECSA) . I also have membership of the South African Institute of Electrical Engineers (SAIEE). I am also a member of the Institute of Directors of South Africa (IoDSA). I started working in the electrical engineering field for the state entity Eskom in 1993. For Eskom I was assigned roles in Network Planning, Network Optimization and maintenance. I also spent some time in the Network Control Centre. I worked for this organization for 10 years before joining the South African Airways (SAA) as the Head of facilities and Infrastructure. The SAA role entailed looking after airport facilities and also ensuring that the facilities are optimally maintained. I spent two years in this role. I then joined the municipality of Tshwane as the Strategic Executive Officer for the Energy and Electricity Department. The department was charged with providing electricity to the residents and to ensure that the city can cater for growth. I continued to hold various roles in the municipality including deputy city manager for service delivery. I joined the City of Johannesburg as the City Manager for the term 2016 to 2021. Upon conclusion of my term, I joined the National Heritage Council as the CEO for 2 years. I then joined the City of Tshwane again as the Group Head of Energy and Electricity.



**Organization Overview:**

The city has over 2.5 million residents and over 500 000 electricity accounts. The departments accounts for over R600 million of capital expenditure annually and has a workforce of under 3000. The city also has 2 coal fired power stations.

**Interests:**

- Solar Power Generation
- Supervisory Control and Data Acquisition (SCADA) Systems
- Advanced Metering Infrastructure (Ami)
- Other Data Monitoring and Management Technology
- Energy Forecasting Tools
- Smart Meters
- Microgrid Technology
- Energy Efficiency Technologies