Energy efficient building

Expected project CAPEX: 1'240'000 €

Mandating Authority: Buffalo City Metropolitan Municipality

Summary
The objective of the project is to align Buffalo City Municipality to the national strategic objective of optimizing energy usage through energy efficiency and Demand Side management Projects. In addition to LED lighting, the installation of solar hot water heaters and other technologies will be considered.

Location and population
Buffalo City, South Africa
900'000 inh.

Social and environmental impact
Due to the possibility of load shedding and other network constraints, the community will have a building which will be able to provide service at all times. The project will reduce the municipality’s carbon footprint.

Main stakeholders
BCMM implementers and Contractors: for supply, delivery and installation
Community: will have a green energy building
### STAGE 1: Concept Development, Site identification

**Target population**
Citizens

**Surfaces**
Tbd

**Climate**
Sub tropical

### STAGE 2: Pre-Feasibility Studies

**Pre-feasibility study:** No

### STAGE 3: Feasibility Studies

**Feasibility study:** No

### STAGE 4: Permitting / Financing / Contracts

**Land concession signed:**
NA

**Environmental impact study:**
Not required

**Identified sources of fundings**
Tbd

### STAGE 5: Engineering / Construction / Commercial Operation

**Engineering, Procurement and Construction Contractor:**
Tbd

**Operation and Maintenance Contractor:**
Tbd

**Comments**
This Project is classified under Infrastructure Enhancement. That is to say that the Electricity Infrastructure will be enhanced to facilitate energy efficiency.

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