Light up KwaDukuza Municipality

Expected project CAPEX: 17’910’000 €
Mandating Authority: KwaDukuza Municipality

Summary

Location and population
KwaDukuza, South Africa
231’189 inh.

Social and environmental impact

Main stakeholders
**Project maturity (IFC / World Bank Categories)**

STAGE 1: Concept Development, Site identification

- Number of Lighting points: +/- 6000
- Mapping of the street lighting system: YES

Current installation
Mercury Vapour streetlights and High Pressure Sodium (HPS) streetlights

Expected energy/expense savings
These will be determined on load and an estimated 8% reduction in energy consumption.

Source of electricity:
Solar & Photovoltaic-powered LED Luminaire

**STAGE 2: Pre-Feasibility Studies**

Pre-feasibility study
NO

**STAGE 3: Feasibility Studies**

Feasibility study
NO

**STAGE 4: Permitting / Financing / Contracts**

- Contract with municipality
  - Not Applicable
- Building permits signed
  - Not Applicable
- Environmental impact study
  - NOT REQUIRED
- Identified sources of fundings

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

- Engineering, Procurement and Construction Contractor
  - To be determined on public bid
- Operation and Maintenance Contractor
  - To be determined on public bid

**Comments**

The National Development Plan identifies various aspects related to climate change and as such the policy stipulates the following: By 2030, South Africa’s transition to an environmentally sustainable, climate-change resilient, low-carbon economy and just society will be well under way. As such, the National Development Plan further stipulates that the approach to adapting to climate change is to strengthen the nation’s economic and societal resilience. This includes ensuring that all sectors of society are more resilient to the future impacts of climate change by: Decreasing poverty and inequality / Creating employment / Increasing levels of education and promoting skills development / Improving health care / Maintaining the integrity of ecosystems and the many services that they provide. Electricity in South Africa is mostly generated by burning...