**ENERGY EFFICIENT PUBLIC LIGHTING PROJECT**

**Expected project CAPEX**: 4’629’750 €

**Mandating Authority**: Tshwane Municipality

**Summary**

This Project involves the comprehensive installation of energy efficient lighting throughout the City of Tshwane. It is estimated that around 250,000 lights shall be replaced to be energy efficient. Electricity savings will be achieved.

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**Location and population**

City of Tshwane, South Africa

**Social and environmental impact**

The project has the potential of job creation and reducing GHG emissions by limiting usage of the electricity generated from fossil fuels. The light will be saving energy.

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**Main stakeholders**

Department of Energy and Electricity and City Sustainability unit
**Project maturity (IFC / World Bank Categories)**

**STAGE 1 : Concept Development, Site identification**

Number of Lighting points:
Around 250,000 lights shall be replaced to be energy efficient

Mapping of the street lighting system:

Current installation
YES- Tshwane streetlights and buildings

Expected energy / expenses savings

Source of electricity: Solar or Grid connected

**STAGE 2 : Pre-Feasibility Studies**

Pre-feasibility study
NO

**STAGE 3 : Feasibility Studies**

Feasibility study
NO

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

Contract with municipality
NO

Building permits signed
NO

Environmental impact study
NO

Identified sources of fundings

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

Engineering, Procurement and Construction Contractor
None

Operation and Maintenance Contractor
None

Comments