LED

Expected project CAPEX: 2'066'498 €

Mandating Authority: Richmond Municipality

Summary
Project intends to provide solar streetlights to areas currently being electrified by conventional streetlights (replacement of conventional) and to install streetlights in areas not previously lit. The intention is to address issues of job creation and poverty alleviation (on installation and continuous through the maintenance of the solar panels) as well as minimize crime that happens mainly in the dark areas of the municipality. Further, on conversion to solar, the monthly cost for electricity currently borne by the Municipality is reduced, thereby availing additional funding for service delivery.

Richmond Municipality
Umusipala wace - Richmond

97 Stellenbosch Street
Private Bag XCN
Richmond, KZN
3700

Telephone: 038 112 1135
Fax: 038 112 1159
Email: info@richmond.gov.za
Website: www.richmond.gov.za

All correspondence to be addressed to the Municipal Manager

Richmond, KZN, South Africa
59 948 inh.

Social and environmental impact
Socio-economic benefit: poverty alleviation through work opportunities provided based on Expanded Public Works labour intensive methodology; safety and security

Main stakeholders
Richmond Municipality / Community of Richmond / SAPS – Community Policing Forum Business Chamber and enterprise development

Location and population
Richmond, KZN, South Africa
59 948 inh.
Project maturity (IFC / World Bank Categories)

STAGE 1: Concept Development, Site identification
STAGE 2: Pre-Feasibility Studies
STAGE 3: Feasibility Studies
STAGE 4: Permitting / Financing / Contracts
STAGE 5: Engineering/Construction/Commercial Operation

STAGE 1: Concept Development, Site identification

Number of Lighting points: 3000

Mapping of the street lighting system:
Yes – in formal areas and No – in other areas (rural areas)

Current installation

Expected energy / expenses savings
Presently undetermined

Source of electricity: solar

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

Operation and Maintenance Contractor

Comments
In addition to the Solar Street Light project, the Municipality is currently in discussion with Department of Energy for the installation of Solar Water Geysers. The two projects form part of the overall Energy Efficiency / Renewable Energy Approach of the Municipality. The intention is to expand to renewable energy following the implementation of the aforementioned projects.