LED Street Lighting

**Expected project CAPEX:** 600’000 €

**Mandating Authority:** Andaket Municipality

**Summary**
The project consists of the installation of 400 energy efficient off-grid stand-alone solar-powered (Photovoltaic) LED street lights with poles of around 6 meters each on the main road, unlighted touristic Oudine Valley road, as well as the unlighted village by-streets.

**Social and environmental impact**
Reducing GHG emissions and dependence on fossil fuel; Reducing municipal street lighting expenses while increasing the area of coverage; improving the quality of life of the local community; Ensuring street lighting around the clock 7 days a week; Improving safety and security of traffic and pedestrian circulation.

**Location and population**
Andaket, Lebanon
5000 inh.

**Main stakeholders**
Municipality, Local Community
**Project maturity (IFC / World Bank Categories)**

**STAGE 1 : Concept Development, Site identification**
- **Number of Lighting points**: 400
- **Mapping of the street lighting system**: YES
- **Current installation**: 40 - 60 Watt/ Approximately 50 to 60% expenses Savings
- **Expected energy / expenses savings**

**STAGE 2 : Pre-Feasibility Studies**
- **Pre-feasibility study**: Yes

**STAGE 3 : Feasibility Studies**
- **Feasibility study**: Yes

**STAGE 4 : Permitting / Financing / Contracts**
- **Contract with municipality**: No
- **Building permits signed**: No
- **Environmental impact study**: No
- **Identified sources of fundings**: NO REPLY

**STAGE 5 : Engineering / Construction / Commercial Operation**
- **Engineering, Procurement and Construction Contractor**: Not Yet
- **Operation and Maintenance Contractor**: Andaket Municipality
- **Comments**

**Source of electricity**: Photovoltaic off-grid