

USIU-AFRICA GREEN ENERGY PLAN

Energy Vision

A fully green energy campus by 2020

Current situation

Current energy consumption stands at 152,777 KWh with the library being the largest consumer at 64,166 KWh (42%). Monthly cost of power is Kshs.1.2 million (USD12,000) and annually at Kshs.14 million (USD140,000).

USIU-Africa Green Energy Plan

Based on findings of two energy audits and the desire to reduce its costs of electricity and in compliance with the Energy (Energy Management) Regulations, 2012, USIU-Africa wishes to roll out the Green Energy Plan.

The plan will be implemented in three phases at an estimated cost of Kshs.252.3 million (USD2,523,000) by 2020 broken down as follows:

1. **Phase 1:** Light retrofit in the Library, Administration Building, Laboratories and fitting an energy monitoring system at **Kshs.42.2 million** (USD422,000) in 2017-2018 FY.
2. **Phase 2:** Design, supply and installation of 300kw solar PV system at **Kshs.48.5 million** (USD485,000) in 2018-2019 FY.
3. **Phase 3:** Design, supply and installation of 1MW solar PV system at **Kshs.161.6 million** (USD1,616,000) in 2019-2020 FY.

USIU-Africa partnership request

We request your partnership in:

1. Funding support for Phases 2 and Phase 3: Installation of a 300 Kw PV solar power system and a 1 Mw PV solar power system respectively estimated at **Kshs.210.1 million (USD2,100,000)**
2. Introduction to potential partners for the USIU-Africa's Green Energy Plan

Benefits

- The USIU-Africa Energy Plan will drastically lower the electricity bill, freeing funds for university strategic development.
- Our world fossils fuel reserves which are rapidly decreasing will be restored.
- The Solar PV panels will protect our environment

Contacts

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