

Risk, Environmental Management and Compliance

Ms. Thandiwe S. Sithole

Zimbabwe Electricity Supply Authority

Abstract

Zimbabwe's high dependence on imports is already putting strain on the ability of the Zimbabwe Electricity Supply Authority (ZESA) to meet the country's needs, and load shedding is now the order of the day.

In its efforts to increase self-sufficiency in power supply, ZESA wishes to develop and implement power generation facilities which represent clean energy for sustainable development, economic growth and improvement of the quality of life for the rural communities.

A number of feasibility studies have been carried out in connection with solar mini-grid systems, mini-hydro power plants, geothermal potential, and biomass: bagasse and wood waste power plants. A few plants are already operative.

The options outlined in this paper are relatively easy and quick to implement. They rely on renewable primary fuel and their implementation would have little, if any, negative environmental impact.