

Abstract

The purpose of this study was to establish the different energy sources used in public secondary schools in Mtito Andei Division, Makueni County, investigate the factors determining the choice of the energy sources and conduct cost benefit analysis of the major energy sources. The study used Survey Research Design (SRD) and a census survey, with all 30 schools in the division studied. Results revealed that schools use eight (8) different sources of energy; firewood (100), electricity (60), LPG gas (43), batteries (dry cells) (33), solar power (27), charcoal (23), generator (13) and kerosene (13). Firewood was the most popular cooking energy source (100) while electricity was the most popular source of energy for lighting (60).