AN ENERGY ALLOCATION MODEL

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ABSTRACT

The paper estimates the present and future energy demands of a rural area. It considers the available sources of energy and discusses their prospects of satisfying future demands. A linear programming (allocation) model is formulated to meet the demands at the minimum cost. The model emphasizes the use of local and renewable sources of energy. The results of the model show that with the present plans the local sources of energy would not be able to sustain the envisaged area development strategy. For any self-sufficient development, the local sources of energy would have to be greatly increased for satisfying future demands.

Keywords: Energy Demand and Supply; Allocation Model.