



Developing an Energy Policy for the Electricity Sector: The Case of Lebanon

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ABSTRACT

The electricity sector in most third-world underdeveloped and developing countries suffers from technical and financial deficiencies caused by the lack of sufficient investments, inadequate planning, ill-operated infrastructure, and the effects of political instability and huge debts. The development of a comprehensive energy policy requires proposing adequate solutions to a diversity of problems addressing the technical, financial, administrative and governance aspects of the system. In this presentation, we will analyze the current situation of the Lebanese Electric Power System (LEPS) and present the energy policy that was developed and approved in 2010. The policy development process integrates energy and financial variables in a stochastic model to assess the impact of policy implementation on energy production, overall cost, technical and commercial losses, reliability of supply and government subsidies. Scenarios reflecting implementation of policy projects are assessed and their impacts are compared with business-as-usual scenarios. Conclusions and lessons learned are drawn on the usefulness of the proposed policy development and implementation strategies for Lebanon and other developing countries suffering from similar energy problems.

All Are Welcome