

## **Results based management for energy in Jordan with reference to the use of oil shale**

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Presented herein, is a proposed model for energy in Jordan at the national level using RBM approach aiming at presenting a Road Map for Energy in Jordan with particular emphasis on using oil shale as an economic source for energy as well as oil production. A complete two-fold seamless system is presented aiming at solving the energy crisis we are facing. The first system tackles nearly all previous shortcomings related to cost, environment and technology. The new technology processes oil shale on site and does not require water in the process. The process is completely contained, with no harmful emissions to the atmosphere. All products from the process are used within the sealed system. Propane/ methane gas is a byproduct of the process that may either be flared off or used to support cogeneration efforts. Even leftover spent shale has the characteristics of desiccated charcoal, which is used to absorb pollutants. The spent shale may have commercial value when used as a building material. In the second system, oil shale is crushed and burned to produce heat energy that by heat exchanger produces steam to generate electricity as a main source of energy used in part to feed the first system. Particulates are captured, condensed, and used as a fly ash building material, as well as in the cement industry. The spent ash will also be used in the construction industry.

From the scientific point of view, this approach is sound and realistic if new technologies are employed for using oil shale natural resources as a promising renewable energy source.

Energy stakeholders are invited to brainstorm the presented approach in which corrective, preventive, predictive and detective management policies are discussed. Improvements in cost, quality, speed, etc. may be achieved by encouraging radical changes of governance and implementation. It is hoped that investors may be convinced to merge in and execute at least a model prototype plant in Jordan