

Illuminating the Policies Affecting Energy Security in Malaysia's Electricity Sector

Authors : Hussain Ali Bekhet, Endang Jati Mat Sahid

Abstract : For the past few decades, the Malaysian economy has expanded at an impressive pace, whilst, the Malaysian population has registered a relatively high growth rate. These factors had driven the growth of final energy demand. The ballooning energy demand coupled with the country's limited indigenous energy resources have resulted in an increased of the country's net import. Therefore, acknowledging the precarious position of the country's energy self-sufficiency, this study has identified three main concerns regarding energy security, namely; over-dependence on fossil fuel, increasing energy import dependency, and increasing energy consumption per capita. This paper discusses the recent energy demand and supply trends, highlights the policies that are affecting energy security in Malaysia and suggests strategic options towards achieving energy security. The paper suggested that diversifying energy sources, reducing carbon content of energy, efficient utilization of energy and facilitating low-carbon industries could further enhance the effectiveness of the measures as the introduction of policies and initiatives will be more holistic.

Keywords : electricity, energy policy, energy security, Malaysia

Conference Title : ICFED 2016 : International Conference on Fossil Fuels and Energy Demand

Conference Location : Istanbul, Türkiye

Conference Dates : April 19-20, 2016