

Energy Interconnection in East Asian Region

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Abstract

It is in the condition of permanent energy shortage in the area of Eastern and Southern China, and in energy dependence on outside in Korea and Japan, while there are plenty of resources in East Siberia, Far East Russia and Western China. As the region of energy export are required economic development and the countries to be imported are already industrialized, it is important to evaluate energy transportation in respect to surplus of energy demands in the future of export regions and construction cost of transportation measures between pipelines and transmission lines.

In this paper, the growth of energy consumption in each region in midst of 21 century are investigated. Moreover, cost evaluation is carried out between pipelines and transmission lines with the assumption of energy transportation in the limit of energy surplus.