

Investment Decision-Making in Power Systems Employing Data Monitoring Technology

Invited Paper II A

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Abstract:

A new round of power industry restructuring in China has invoked changes to the supply and demand relationship in the emerging electricity markets, bringing new challenges to power grid companies and increasing the risks of grid investment. In order to promote the level of lean management and investment of grid companies, an optimal investment decision-making model for power grid investment is presented with data monitoring technology employed in this paper, including the development of an indicator system, the trend prediction of indicators, the early warning and control of the indicators, and data warehouse as the data management tool. Finally, 7150 power grid projects of a provincial grid company in China are taken as an example to demonstrate the feasibility and effectiveness of the method proposed.