

Scenario planning approach integrated with STEEP and TOPSIS approach to find key uncertainty variables and build energy technology development plan

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In this research, scenario planning is employed to build strategic energy technology development plan for the uncertain future. This research presents how to find the key uncertainty variables for making scenarios in the optimal procedure framework. We choose the 10 shortlisted variables sorted by STEEP approach for developing strategic energy technology development under the national energy security. We establish four scenarios according to the oil price changes and nuclear power plant construction. The results of this research provides the energy policy makers for preparing for the uncertain future strategically.