

## DEA CCR-I and BCC-I models for calculating the efficiency value of energy efficiency technologies

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Korean government built the National Energy and Resources Plan, which targeted from 1997 to 2005 with strategic energy technology development. In 2005, government established a New National Energy and Resources Plan preparing for upcoming 10 years from 2006 until 2015 based on energy technology trees comparing with the previous plan based on R&D projects.

In this paper, which is the extended research of establishing the National Energy and resources Plan, we measure the relative efficiency value of energy efficiency technologies by DEA CCR-I and BCC-I models. We used the preferred weights of the AHP results to allocate the preferred weights. We can assess the efficiency of energy efficiency technologies with the viewpoint of economics. The results of this research will be the fundamental decision making data for allocating R&D resources including funds.