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A QUANTITATIVE ANALYSIS OF ENERGY CONSERVATION AND EMISSIONS REDUCTION POLICY

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Abstract

It is of great significance to quantitatively analyze the effectiveness of energy conservation and emissions reduction policies and to clarify the benefits and formulation principle soft policies. We collect information on these policies between 2012 and 2016 from the public information platform of the Hubei provincial government. By building a quantitative evaluation model of policy effectiveness and policy synergy, we empirically analyze the trends of their synergistic evolution. The results show that the number of these policies in Hubei province show an upward trend, but the average policy effectiveness is declining; the degree of synergy between policy measures and targets has gradually decreased to a stable range since 2012. Therefore, the Hubei provincial government has placed great importance on them, but there are conflicts among different policies and measures, which make it difficult to achieve the desired policy goals. Finally, we provide suggestions for the formulation of policies in Hubei province.

Key words: energy conservation and emissions reduction, policy effectiveness, policy evaluation, policy synergy

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