

Research on Statistical and Investigating Methods of Utilizing New Energy and Renewable Energy in Beijing

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Abstract

To realize the prospect of Green Beijing, Low-carbon Beijing, it is a must to vigorously develop new energy and renewable energy with green concept and low-carbon feature, which is also an effective way to optimize the energy consumption structure and mitigate the deficiency of energy supply. In recent years, Beijing has made great breakthrough in the development of renewable energy, however, the practical utilization cannot still be scientifically reflected as the system of statistical methods on renewable energy has not been set up till now. The subject, guided by statistical theories, based on endowments and practical utilization of renewable energy in Beijing, divides the utilization of renewable energy into five varieties and eight utilization types, thus for the first time to establish statistical index system for renewable energy. Furthermore, it conducts the research based on the factors such as statistical scope, statistical objects, investigating channels, investigating forms, calculating and summarizing methods, etc., fixing two major investigating channels, renewable energy items and rural areas, designing a method combining comprehensive investigation, major investigation and estimation sampling, innovatively constituting a scientific, rational, operational system of renewable energy statistical methods, and accordingly conducting pilot investigation to comprehensively test the feasibility of the methods. In accordance with the investigation results, the research analyzes the problems in the development of renewable energy in our city and proposes advice on improvement, offering a reference for other departments to make energy development plans and policies for the whole city.

Key words: New energy and renewable energy, system of statistical index, investigation methods