

Research on the Development of Nanjing Green Economy from the Perspective of "Double Carbon" Goal

-- Cross-Professional Green Cooperation

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Abstract

With the increasingly serious problem of global climate change, China has put forward a "dual carbon" goal, that is, to achieve carbon peak and carbon neutrality. Nanjing, as one of the important cities in China, is also actively exploring the development of green economy. The purpose of this paper is to study the development of Nanjing's green economy from the perspective of dual-carbon target, and to achieve sustainable development through cross-professional green cooperation. This paper first introduces the research background, research purpose and research methods, then analyzes the status quo and challenges of Nanjing's green economy development, then expounds the application and practice of cross-specialty green cooperation in Nanjing's green economy development, and finally puts forward countermeasures and suggestions to promote the development of Nanjing's green economy.

Keywords

Double Carbon Target; Nanjing; Green Economy; Cross-professional Green Cooperation.

1. Research Background

With the increasingly serious problem of global climate change, countries have put forward low-carbon development goals. As one of the world's largest greenhouse gas emitters, China has also actively responded to the call of the international community and proposed a "dual-carbon" goal, namely "carbon peaking" and "carbon neutrality". This goal represents China's commitment to and responsibility for global climate change, and is also an inherent requirement for China to achieve sustainable development.

The Party's report to the 20th National Congress pointed out: "We must firmly establish and practice the concept that lucid waters and lush mountains are invaluable assets, and plan development from the height of harmonious coexistence between man and nature." The development of green economy is undoubtedly a comprehensive and multifaceted profound reform of industrial technological innovation, effective utilization of resources, rational allocation of factors and production methods. Nanjing, as one of the important cities in China, is also actively exploring the development of green economy. Under the vision of the "double carbon Project", Nanjing needs to take effective measures to promote the development of green economy and achieve sustainable development. Cross-professional green cooperation is an effective way and method, which can realize resource sharing, complementary advantages and coordinated development. The research on Nanjing's green economy development under the goal of "double carbon" is practical, of great research value, and highly operable:

First, the government gives all-round support to the development of green economy, not only to encourage the development of enterprises, but also to set an example, starting from their own, to provide a good development platform for enterprises.

Secondly, Nanjing's geographical location and political status are conducive to the development of green economy. The development of green economy in Nanjing can not only optimize its own economic structure, but also drive other surrounding cities to optimize their economic structure and respond to the new development concept of "innovation, coordination, green, open and sharing".

Thirdly, Nanjing's original talent reserve and economic strength can support the development of green economy in Nanjing. As a city second only to Beijing and Shanghai in the number of institutions of higher learning, Nanjing has advantages in talent reserve, which can meet major needs, enable interdisciplinary action, and consolidate the new direction of discipline development. It is in line with the orientation of realizing the goal of double carbon with scientific and technological innovation as the guide.

2. Research Objectives

The purpose of this paper is to analyze the status quo and challenges of Nanjing's green economy development from the perspective of dual-carbon target, explore the application and practice of cross-professional green cooperation in the development of Nanjing's green economy, and put forward countermeasures and suggestions to promote the development of Nanjing's green economy.

3. Research Methods

This paper adopts the methods of literature investigation, case analysis and expert interview. Firstly, through the literature investigation, the research status and development trend of double carbon target and green economy at home and abroad are understood. Secondly, to understand the application and practice of cross-professional green cooperation in Nanjing's green economy development through case analysis; Finally, through the expert interview to understand the current situation and challenges of Nanjing's green economy development, as well as the countermeasures and suggestions to promote the development of Nanjing's green economy.

4. The Status Quo and Challenges of Nanjing's Green Economy Development

Nanjing has made some achievements in the development of green economy, but it also faces some challenges. First of all, Nanjing's industrial structure focuses on traditional industries, high energy consumption and high pollution still exist, which not only leads to a large amount of carbon emissions, but also brings serious pollution to the environment. Therefore, optimizing the energy structure is the key to realizing the goal of "double carbon". Secondly, scientific and technological innovation is an important force to promote the development of green economy. At present, there are still some weak links in green technology innovation in your country. Nanjing should strengthen the cultivation of technological innovation capabilities, encourage enterprises to increase investment in research and development, establish joint research mechanisms, promote cooperation between scientific research institutions and enterprises, and accelerate the pace of green technology innovation. Therefore, strengthening scientific and technological innovation and promoting technological research and development and application is an important way to achieve the goal of "double carbon". Finally, Nanjing still needs to strengthen its efforts in ecological and environmental protection. Although Nanjing's awareness of environmental protection is improving, there are still some problems. The lack of environmental awareness among some enterprises and individuals has led to some environmental pollution problems. Therefore, Nanjing should strengthen environmental

protection publicity and education, raise public awareness of environmental protection, let people realize the importance of green development for urban development, and form a good atmosphere for the participation of the whole society. Strengthening environmental protection publicity and education and improving public awareness and participation in environmental protection is an important means to achieve the goal of "double carbon".

5. Research the Process and Results

Through literature and field investigation, we found that Nanjing Municipal government has taken a series of measures to promote the development of green economy, including increasing support for new energy and environmental protection industries, strengthening ecological environmental protection, and promoting enterprises to save energy and reduce emissions. At the same time, Nanjing Municipal government also actively promotes the cross-professional green cooperation mode, strengthens the cooperation with universities, scientific research institutions, enterprises, etc., and jointly promotes the development of green economy. For example, Nanjing Agricultural University cooperates with local governments and enterprises to jointly promote the resource and ecological utilization of agricultural waste; Nanjing Normal University cooperates with local communities and enterprises to jointly promote ecological and environmental protection education and practice. These cooperation cases show that cross-professional green cooperation can provide strong support and help for Nanjing's green economy development.

6. Summary and Prospect

China's implementation of the "double carbon" economy and urban green economy high-quality development strategy, actively explore action plans, formulate path planning, is a major strategic task at present and in the future, to improve the city's economic efficiency and ecological quality, to ensure the long-term stability of the country and the people have an important impact. The implementation of the "carbon peak", "carbon neutrality" and the high-quality development strategy of urban green economy requires a comprehensive use of policies, technologies, funds and other means, giving full play to the role of the government, enterprises, society and other aspects, strengthening linkage and coordination, innovating ways of promotion, and enhancing the driving force for implementation. We will lay a solid foundation for the realization of the long-term goals of "carbon peaking" and "carbon neutrality" and create a new situation of Chinese-style modernization featuring harmonious coexistence between man and nature.

Based on the research of Nanjing's green economy development from the perspective of "double carbon" goal, this paper finds that the cross-professional green cooperation model can effectively promote Nanjing's green economy development. However, there are still some problems and challenges, such as insufficient policy support and weak technological innovation ability of enterprises. In the future, it is necessary to further strengthen the guidance of policy support for green economy; At the same time, strengthen technological innovation and personnel training to improve the technical level of enterprises; Strengthen cooperation and exchange with domestic and foreign enterprises and institutions to learn advanced experience and technology; Finally, it is necessary to play the leading role of the government to build a good market environment and mechanism to provide better conditions and support for the development of green economy.

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