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# **On the Strategic Management Methods of the New Energy Industry for the Realization of Peak Carbon Dioxide Emissions**

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**Abstract:** Peak carbon dioxide emissions is a profound and meaningful economic reform on China's national economic system. With the requirements of green production and life, the aim of peak emissions is bound to be the most effective match for economically sustainable development strategies. It is set based on modern environmental pollution, mainly to target severe climate change—any form of change can be a great challenge for the whole human beings.

**Keywords:** Peak Carbon Dioxide Emissions; Green Production and Development; New Energy

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## **1. Introduction**

While China determines to adopt sustainable development strategies, the problem of climate change should be addressed through the joint efforts of all countries. The 2015 Paris Agreement has put forward the directions for all on this issue. Human beings must take action in the existing pollution situation to protect our earth. China as the largest developing country should show its practical achievements and responsibility and consciousness.

## **2. Overview of the goals of peak carbon dioxide emissions**

### **2.1 Significance of the peak carbon dioxide emissions**

The goal of peak carbon dioxide emissions is the key and the only direction to promote the high-speed development of China's economy in the new age. It involves cooperation among many fields in which adopted measures include supply integration, natural resources planning, economic cycle, etc. It is also a plan that aims for the sustainable development of the national economy, among which green and low carbon have become the critical content. The current goal of reshaping China's economic structure is to improve the existing system of green and low-carbon circular development and focus on clean energy, a low-carbon environment, safe and efficient consumption, and a productive system. It is to reform the consumption in the current economic system, transform it into a green production mode, and then change people's lives, helping the whole to realize the green economic transformation with better life service. As the concept of peak carbon dioxide emissions put forward, it indicates that to further promote green development to a higher level is a developing trend and will become the inherent requirement of high-quality economic development for China in the future.

### **2.2 New strategies of ecological civilization**

During the "14th Five-Year Plan", China's ecological civilization construction will formally enter the step of green transformation when reducing carbon and pollution has become the most critical goal. The peak carbon dioxide emissions have become the key strategy and direction to improve natural resources and the inevitable choice to further promote the ecological civilization construction. The goal is the requirement in the new layout of ecological civilization construction, from pollution, carbon emissions reduction to living space protection to improve the quality of natural resources. It is important to deal with climate change and make a new model of green environmental protection. In recent years, the

utilization of natural resources in China has almost tripled compared with that in 2005, and the number is still rising. Considering its comprehensive national conditions, the existing environmental problems will not be improved, but continue going worse for decades, if we don't consider the green development strategies. Although boasts rich natural resources, China has a large population base and various land-forms. It is hard to carry out management and cooperation between regions for there have been big differences in the utilization of natural resources. In terms of water resources, for example, the development of water conservancy projects in most parts of southern China is relatively good, because the climatic conditions in southern China are of great help to the protection of the ecological environment. However, it is different for northern China, where is widely geographically distributed with complicated climatic conditions. Most land resources are hard to exploit. Water resources are the basis for human beings to utilize to improve lives and the premise for regions to develop the economy. The South-to-North Water Transfer Project is an example that is implemented to improve the ecological environment in the northern region. It is the same principle for the goals of peak carbon dioxide emissions which aims to protect different aspects of the environment and enhance the service functions of the ecosystem to benefit the ecological diversity based on the improvement of people's living conditions.

### **3. Analysis of problems that occurred during the practice of peak carbon dioxide emissions**

#### **3.1 Insufficient policy implementing**

The economic system building will surely start from the mode transformation of sustainable production. It was pointed out that in the report of the 19th National Congress of the Communist Party of China, the energy production mode should follow the green concept. Only when the mode has been effectively promoted can the consumption revolution be set off. The mode should aim at clean energy and meanwhile, meet the national production needs. To develop economic construction while ensuring the reform and stability of the ecological civilization system, production will inevitably need energy support which will be directly linked with the ecological environment. For example, the industry is an important part of the national economy, and it needs a lot of natural resources for energy development in every link of the production process. Natural resources are the survival content that human beings have relied on since ancient times. Excessive energy development will lead to strong depletion of natural resources, and this destruction will have a great impact on our future generations. Therefore, the National Energy Administration needs to clarify relevant responsibilities. However, there are many problems in the process of policy implementation in an actual situation. From the work exchanges, it can be found that the Administration has not fulfilled its responsibilities and obligations for policy formulation and industry planning, not implemented the idea of ecological environment and new energy development, and not fully understood how to promote the rectification of the energy industry.

#### **3.2 Insufficient ideological understanding**

Many enterprises don't have enough knowledge about green production, leading to perfunctory attitudes in actual operation. Many cadres have made the same mistakes that they hold that the most important thing for energy supply is to ensure quantity and quality. They fear declines in production efficiency due to the reform, and thus engage in formalism in terms of peak carbon dioxide emissions, affecting the policy implementation in some local areas. Some enterprises and government departments threw a reason of "the must for the necessities of production" to ensure their income and hold that the existing technology does not meet the fundamental requirement of green production. This kind of idea is the part that should be rectified most and has insufficient understanding of peak carbon dioxide emissions. Therefore, it is difficult for such persons to consider scientifically and rationally in the process of subsequent policy coordination because their ideological lag can't be broken through. This is also the main reason why China's energy industry has been showing extensive development for a long time.

## **4. Analysis of the development path of peak carbon dioxide emissions**

### **4.1 Reform the management structure**

It is necessary to strengthen the management structure, the supervision of energy production, and the overall coordination between relevant departments and enterprises. It is also suggested to optimize the energy production mode and consumption structure, unify the management standards for environmental protection and air pollution, find problems in practice, and constantly improve energy policies and measures to ensure that they meet the requirements of peak carbon dioxide emissions. We need to call on the people to expand, speed up the construction of a new energy management system, and vigorously develop pollution-free energy. We should also adhere to the ecological priority, scientific and orderly development of hydro-power station construction, take local conditions into account, promote the development of renewable energy, improve the energy market mechanism, reform the single national energy market system, coordinate the medium and long-term supply and hydro-power support services, further increase the scale of market transactions, promote the competitive operation of power supply companies such as dismantling and production equipment, and improve the energy production, supply, storage, and distribution system. To maintain a clean, low-carbon, safe and efficient energy system, strengthen the leading role of scientific and technological innovation, we need to strictly implement the capacity substitution policy of metallurgy and other industries, strengthen the measures to eliminate backward excess capacity, further promote the disposal of enterprises that do not follow market rules, encourage large enterprises to carry out mergers and acquisitions, strengthen the review of engineering energy conservation, accelerate the growth and development of new strategic industries, develop strategic industries representing the new generation of energy, and promote the digital development of manufacturing industry.

### **4.2 Improve the correct understanding of peak carbon dioxide emissions**

Firstly, it is necessary to publicize scientific and rational political theories as well as cognitive consciousness to monitor the implementation of all aspects based on comprehensive energy development and environmental protection, and ensure that all problems are effectively solved step by step. Moreover, the construction of ecological civilization should be regarded as an important part of leadership inspection and evaluation, so that people and cadres can correctly understand the importance of green new energy for national development, which promotes the understanding of green new energy. Only with the cooperation and support of the people can the government vigorously promote the peak carbon dioxide emissions goal on track by using the Internet to help popularize. The government should play an important guiding role in this process so that the whole people can make green contributions to protecting the environment wholeheartedly. During the transition to a green economy, it is necessary to acquire people's support and understanding, because the transition needs a long period, which involves the reform and innovation of China's overall economic system. Therefore, under the existing conditions, it is necessary to implement the policy step by step and enhance the people's understanding of the contents of peak carbon dioxide emissions. Besides, relevant enterprises and departments should make timely adjustments according to the policies, and the problems will only be exposed in the process of practice to provide schemes and suggestions for economic transformation.

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