

Exploration on the Development Mode of China's Regional Circular Economy

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Abstract: The regional circular economy is a recyclable economy implemented at the regional level, and the macro attributes of the region are more conducive to the development of the scale effect of the recyclable economy. With a theoretical study of the connotation of the regional circular economy, the necessity and significance of developing a regional circular economy, the focus is on exploring the idea of designing a regional circular economy development model. And the implementation strategy of the regional circular economy development model is proposed by analyzing the regional theory and the characteristics of the regional economy.

I Introduction

In China, developing circular economy is an important strategic decision[1]. Since the reform and opening up, China's economy has made a huge leap and has leapt to the second largest economy in the world. However, the industrial civilization that pursues efficiency or effectiveness as its goal has brought many problems to the human external living environment. The traditional economic development model encountered the constraints of environment, energy and other bottlenecks, especially some provinces in northern China that rely on heavy industry and resource extraction to develop their economies are facing severe challenges. Against this background, the development model of regional recyclable economy has gradually been recognized by environmental economists and governments. The development model of the regional recyclable economy has become the forefront subject and the primary work of developing a regional circular economy. Companies are also increasingly aware of the opportunities promised by the Circular Economy [1].

II The Connotation of Regional Circular Economy

The so-called regional circular economy refers to the establishment of an ecological industry chain through the exchange of raw materials and waste in a certain administrative area, guided by the concept of circular economy and ecological principles, and several "resource-product-renewable resources" will be formed. The feedback process realizes the circulation among the enterprise groups in a certain region, so as to achieve the effects of reducing the use of resources, reusing of product production and reusing of waste. Ultimately, the comprehensive, healthy and sustainable development of the entire region's economy is achieved. Regional recyclable economy is a circular economy based on regional economy or regional development. A regional circular economy must not deviate from the laws of regional development, and must be consistent with the laws of regional economics[2]. The principle of ecological cycle is based on the natural flow of material and energy to construct its industrial structure and promote the circulation of material resources. Developing regional circular economy has become an essential part of the current domestic recyclable economy. The need for economies of scale in circular economy is the need for balanced and coordinated development in the region. The need for large circular economy measures is also to address the needs of regional projects. It can not only provide a space for the development of circular economy in the industrial system, but also cover the circulation of consumption activities. Thereby

integrating the concept of recyclable economy into the process of regional development to realize the combination of “dot” (enterprise) and “face” (society) for the development of circular economy, we will comprehensively promote the development of recyclable economy. China is in the process of large-scale rapid industrialization and urbanization, and vigorously develops the construction of regional recyclable economy. It is of great significance for forming a circular economy system and promoting the transformation of regional development models.

III Circular Economy and Regional Development

The study of regional recyclable economy closely links the recyclable economy and regional development. Exploring and analyzing the relationship between the both, and the impact of the circular economic model on regional development, which can help us to understand better the operation of regional circular economy. Principles and mechanisms can also answer the question of the necessity of regional circular economy development, thereby further demonstrating that regional circular economy is a new and suitable type of regional development model[2].

A. Necessity of developing regional circular economy

The implementation of recyclable economy at the regional level plays an important role in building on the past. It is specifically manifested in the following four aspects: promoting the reuse of resources within the region, generating economies of scale in the recyclable economy, promoting the balance of developing regional economy, and solving cross-regional project coordination issues.

B. Micro-motives for developing regional circular economy

According to the current practice of China's recyclable economy pilot, China's current recyclable economy development has seen three regional strategic transformation models by observing the perspective of regional economic development stages, technological and economic conditions, resources and environmental conditions, and recent development goals[5].

Part of Jiangsu's southern Jiangsu, Shanghai, and Shandong are the most developed regions in China. From the development stage, the development of recyclable economy is synchronized with the industrial upgrading and economic transformation of these regions. The technical and economic foundations and institutional conditions are good, even if there is no recycling. The economic concept, the direction of industrial upgrading and efficiency improvement will also depend on the requirements of some aspects of the circular economy, but with the concept of circular economy, this upgrade and improvement will be faster and more comprehensive. Therefore, the development of recyclable economy in this type of region can be called the spontaneous strategic transformation model. For the development of recyclable economy in this type of region, as long as national legislation, policies and institutional arrangements are prepared well, circular economy can rely on local resources to develop smoothly[6].

IV Implementation Strategy of Regional Circular Economy Development Model Design

Developing circular economy is a systematic project. It also requires the joint participation of government promotion, technical support, market drive and public participation.

A. Unified understanding and coordinated development

Throughout China, combining the status of China's economic development and the characteristics of regional economic development, through publicity, education, training and other means, governments standardize the nature and connotation of the circular economy to form a unified understanding and understanding. In the implementation of regional planning for circular economy, we must recognize regional development foundation and ecological assessment; understanding the system level of the recyclable economy in regions and industries; understanding the construction of the industrial chain (system) of the recyclable economy; understanding the space-time layout of the circular economy construction; understanding the green guarantee system

for the development of the recyclable economy. In enterprises and government departments, regulate their main role, coordinate their relationship and reach consensus.

B. Government guidance, market promotion, and full participation

Developing circular economy involves millions of households and industries. All sectors of society need to make efforts, including government, enterprises and individuals. To vigorously promote the concept of circular economy, we must actively use various means and media, strengthen publicity and education on the development of circular economy, vigorously popularize the knowledge of circular economy, promote the concept of circular economy, and let the people truly understand and accept the circular economy. In order to guide the entire society to establish a correct view of development and consumption.

C. Set up and improve the legal system for the development of circular economy in accordance with national conditions

From the perspective of the more successful models for promoting the development of recyclable economy in other countries, increase the recyclable economy legislative work and establish "reduction, resource utilization, harmlessness, and reorganization" as the basic requirements for the development of recyclable economy legislation, and incorporate it into the legal system. So we must learn from domestic and foreign advanced practice, and in accordance with the State's "Guiding Opinions on Accelerating the Development of Circular Economy", formulate government regulatory documents to promote the development of circular economy, determine the guiding ideology, goals, tasks and specific measures for the development of circular economy in China, and clarify the government, enterprises and the public in the responsibilities and obligations in the development of a circular economy. Gradually the benefits of circular economy development will be established and improved. Fiscal and taxation policies, giving economic policies to circular economy, clean production and environmentally friendly enterprises benefits and encourage the establishment of environmental labeling, green procurement system and so on, as a result, we can guarantee the recycling economy healthy, orderly and scientific development.

D. Technology Development, Talent Training and International Cooperation

The government attaches great importance to the key effect of talents in the development of circular economy, and use our city's advantageous resources to focus on training a group of scientific and technological talents in areas such as project management and energy conservation, water conservation, and ecological research in the field of circular economy. They establish multi-channel, multi-level, and multiple forms of cooperation international cooperation methods and promote the construction of recyclable economy demonstration projects in the city's eco-industrial parks and sustainable development experimental zones.

E. Funding support

Policy research, technology promotion, demonstration pilots, industrialization development and publicity training which related the development of circular economy, should be supported by special and large project funds. For major projects for the development of circular economy, financial subsidies and loan discount interest should be provided by relevant government departments.

V Conclusion

As a new economic development mode, the rational use of regional circular economy not only promote the development of China's economy, but also protect the environment, save resources, and promote harmony between man and nature. However, there are still many processes in the development of regional recyclable economy in China at this stage. In this regard, measures such as optimizing the industrial structure, accelerating the construction of a green technology support system, and establishing a circular economy legal system should be adopted to improve the

deficiencies of the recyclable economy and promote the development of the recyclable economy. In short, at the moment when China is striding towards a socialist harmonious society, it is very meaningful to strengthen the development of recyclable economy.

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