Analysis of Environmental Technology Efficiency of the China on Logistics Industry Considering Resource and Environment Constraints

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Abstract. In recent years, the logistics industry of China has developed rapidly, and its productivity has shown a rising trend. Considering the resource and environment constraints, China's logistics industry environmental technology efficiency is also one of the research topics of Chinese scholars. Experts and scholars discuss the environmental technology efficiency of China's logistics industry from different angles, and effectively protect the environmental protection of the logistics industry of China. In order to promote the logistics industry economy and the vigorous development of resources and environment, this paper will be based on the analysis of the environmental technology efficiency of China's logistics industry, which is constrained by resources and environment, and provide effective reference suggestions.

Keywords: Resource and environment constraints; Logistics industry environment; Technical efficiency.

1. Introduction
At present, the global climate as a whole has begun to warm up, China's ecological environment is facing deterioration and the logistics industry is in short supply. Only by continuously improving the logistics industry's environmental technology and resource and environmental coordination can the logistics industry develop in the long run, thereby reducing energy consumption and improving resource and environment. Utilization rate.

2. Comprehensive analysis of the impact of the logistics industry on China's resources and environment
At present, the logistics industry in the development process of China has played a more important role in China's economic development.
With the acceleration of economic development and regional development progress, and the gradual improvement of social productivity, modern logistics industry has effectively reduced the consumption and improvement of various resources. Labor utilization rate, development of social construction work, and important industries that promote employment. The logistics industry has become an indispensable basic service industry in the daily life of our country [1].

In view of the current situation, China's logistics industry has a relatively obvious development trend at this stage. As an important part of the modern service industry, it can effectively improve the quality of China's national economy and optimize the economic development process, and promote the development of the industry. With the development in recent years, China's logistics enterprises have adopted various technologies to achieve their own technological upgrading and service upgrading. By adopting new technologies and combining information technology and management methods, the delays in delays can be effectively solved, and the inventory backlog and out-of-stock conditions of other industries can be reduced. Appears to ensure the balance between supply and demand and social stability, accelerate the pace of production and circulation, and optimize economic processes. From the macroscopic perspective, the development of the logistics industry can be regarded as a more diversified development and improvement. It can not only maximize the realization of the transportation of China's physical products and the transportation of land, but also form a new industrial chain around the product. To transform the product market into a diversified market in a single market under the original model, expand the market while realizing demand, promote the economic benefits of related enterprises, optimize resource allocation and industrial structure, and promote efficient and coordinated development of related industries. Improve the quality of economic operations.

All in all, the actual situation is more popular, and modern logistics can be regarded as “insurance” in China's social and economic production. It is mainly reflected in maintaining enterprise time efficiency and goods storage space efficiency and other value-added service benefits, and ensuring the development of enterprises. At the same time, it plays a practical role in promoting the development of the industry. In addition, China's logistics industry consumes a lot of energy, of which the energy consumption of the logistics industry in 2015 accounted for 7.89% of the national total, an increase of 0.5% compared with 2014, becoming one of the largest energy consumption industries except for industry (see Table.1) [2].

| Table 1. Overall situation of China's logistics from 2010 to 2018 |
|----------------------------------------|---|---|---|---|---|---|---|---|---|
| years       | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| GDP share (%) | 5.82 | 5.79 | 5.65 | 5.51 | 5.21 | 4.91 | 4.75 | 4.74 | 4.75 |
| Consumption proportion (%) | 7.81 | 7.77 | 7.73 | 7.81 | 7.84 | 7.89 | 8.00 | 8.18 | 8.71 |
| Capital GDP energy consumption (tce unit: 10,000 yuan) | 1.33 | 1.26 | 1.21 | 1.06 | 0.92 | 0.91 | 0.80 | 0.72 | 0.70 |
| Logistics GDP energy consumption (tce unit: 10,000 yuan) | 1.81 | 1.74 | 1.67 | 1.50 | 1.42 | 1.41 | 1.36 | 1.27 | 1.28 |
3. Through the establishment of Tobit model to analyze the impact of logistics industry on China's resources and environment

Through a reasonable analysis of the environmental technology efficiency of China's inter-provincial logistics industry and other factors, scientifically combine the actual value range of efficiency, establish a Tobit model to comprehensively analyze the factors affecting the logistics industry's resources and environment, and directly judge the main growth sources of China's logistics industry environmental technology efficiency. In the end, we will promote the logistics industry in China to achieve resource conservation and protect the overall environment, as well as promote the coordinated development of social and economic growth. According to the results of China's inter-provincial data measurement: it fully shows that the overall efficiency of environmental technology efficiency in China's logistics industry is low, and it has shown a development trend similar to “U” type, especially in the logistics industry environment efficiency value between the same region. Has a significant difference [3].

![Fig. 2 Relationship between urban-scale transportation industry and Tobit model](image)

According to the analysis results in the relevant literature, the EI shows a correlation coefficient value of 0.211, wherein the standard deviation is 0.049. The related improvement brought by economic extroversion and industrial agglomeration have an impact on the logistics industry environment, and play an active role, but also effectively promote the promotion of related industries, and ensure the development of work while effectively improving technical efficiency. On the basis of the analysis of the logistics industry structure in the process of totalization, the related work derived from such structure, such as the government pollution control work, has certain influence on the improvement, but in the actual process, such influence is small, and the technology has been in the process of progress. The development of relevant environmental protection work also proposes solutions to such problems. Combined with the results of empirical analysis, the paper proposes an optimization path for the environmental technology efficiency of the logistics industry, with the aim of promoting the better development of the logistics industry.

![Fig. 3 Optimization Path of Logistics Industry Environment Technology Efficiency Based on Tobit Model](image)
It mainly includes: attaching importance to the development of environmental quality and efficiency-oriented development of the logistics industry; improving the coordination and linkage development level of the regional logistics industry; and strengthening the technological innovation capability of the logistics industry under the constraints of resources and environment. Taking resource and environmental factors as the normal factors in the calculation process of calculation models helps to more objectively assess the economic growth level of China's logistics industry, clarify relevant information, and is more in line with the state's demands for energy conservation and emission reduction. The combination of theory and practice, it has an effect on improving the level of China's logistics development and realizing the sustainable development of the logistics industry [4].

4. Build effective measures for the vigorous development of the logistics industry

(1) Paying attention to the coordination and organic integration of the regional logistics industry

Based on the analysis of the differences, it is more aimed at the development and improvement of relevant units in the actual process, mainly focusing on the differences between different provinces and regions. In particular, the modern logistics industry with rapid regional economic development and the modern public service industry should pay reasonable attention to the regional logistics industry and the economic development of the region, as well as the comprehensive and diversified development of other types of industries. Combining with the analysis of the current regional logistics industry industry integration and regional development and development factors, and using it as a basis for research, it is relatively straightforward to discover that the efficiency of logistics industry technology and environmental technology related work is more regionally different in actual results. The specific performance is that the economic efficiency value of the eastern region is significantly higher than that of the central and western regions. The reasons for such phenomena can be related to regional development, regional economic ties, and local forms that is, related to the development prospects of the logistics industry.

In addition, the related industry developments in the actual process also have related problems of high energy consumption and low resource utilization. Such problems not only have a serious impact on the environment and related resources, but also hinder the further development of the logistics industry. Development of. In order to solve such problems, the actual development process can be carried out by integrating development countermeasures. The relevant work content in the actual process is the main means to solve the problem, and the integration measures are used to solve the problem, which not only ensures the development stability but also the actual process. Relevant matters in the analysis and research to further clarify the relevant strategies.

(2) Paying attention to the quality and efficiency of the logistics industry

According to the analysis and research of the regional differences mentioned above, it is possible to find relevant problems more substantively, and solve the problem as an important factor in the actual process. As far as the actual analysis is concerned, the cognition of such work in the relevant process is more complicated, and the resource problems in the specific process for the relevant data have become the more serious problems in the actual process. The means of quality and efficiency work, guided by the construction work, to guide the realization of development, to promote the further improvement of the industry. In the actual process, the adjustment of the deaf children mainly comes from the limitation of industrial development. In order to solve such restrictions, the industrial development should be further strengthened in the actual work. Work should be taken as an effective solution factor in the actual process, and the demand and work should be strengthened in the work. Quality, strict requirements for related work, supplemented by relatively complete relevant rules and regulations, to analyze and research to solve problems, to ensure that problems are solved smoothly, work is carried out smoothly, and ultimately achieve and effectively achieve the purpose, not only to solve problems, It can promote the further development of the logistics industry and environmental construction, with construction as the main factor in the actual development process.
5. Paying attention to the advantages of the logistics industry leading the environment construction with the weak logistics industry

It can be clarified from the relevant evaluation results mentioned above that the main sources of operational management restriction problems in the actual process are mostly technical development problems. In order to solve such problems effectively, it needs to be resolved by more substantive means. On the one hand, technical problems need to be developed in response to the industry, and more advanced technologies should be applied to the industry to solve related problems. On the other hand, it is necessary to analyze and solve problems with more substantive content, to solve the strategy while taking the essence. Sexual means, such as the use of technology outsourcing to indirectly upgrade the technical level, and achieve their own technological improvement in this vacant time; in addition, internal personnel training, and the absorption of advanced technical personnel to carry out technological transformation to achieve industrial technology improvement and efficiency improvement. At the same time, the construction of the industry environment is also a more important issue in the actual process. Such problems require not only the development and guidance of the industry, but also the involvement of the management departments in the actual process, and the technical aspects based on the market environment and the development environment of the industry. Innovate, effectively solve problems, improve resource utilization, ensure the creation of environmental atmosphere, establish a dominant industry to lead the market, weak or inferior related enterprises continue to catch up with the endeavor, benign competition, and promote the overall development of the entire industry.

6. Conclusion

This paper comprehensively analyzes the environmental technology efficiency of China's logistics industry from the perspective of considering resource and environment constraints. China's logistics industry needs to rationalize the construction of technological innovation and logistics environment to effectively ensure the vigorous development of the logistics industry.

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