Academic Journal of Business & Management
ISSN 2616-5902 Vol. 3, Issue 1: 83-87, DOI: 10.25236/AJBM.2021.030110

Research on Economic Benefits in Power Economic Operation Management

Gu Zheng, Li Fang, Sun Mingze

State Grid Liaoning Electric Power CO, LTD. Power Electric Research Institute, Shenyang, Liaoning110015, China

ABSTRACT. *As our country's economic level is getting higher and higher, people's quality of life is also improving. Electric power companies are the basic guarantee for people's normal life and provide power supply for people's various production activities. With the development of the times, my country's power supply system is constantly upgraded and adjusted.Therefore, power companies must continue to improve their power the management level of the project improves the power supply quality and economic benefits. Based on this, this article will analyze the importance of current power economic operation and management and the reasons that affect economic benefits, and put forward some valuable suggestions for these problems.*

KEYWORDS: *power economy; stability; project mode*

1. Introduction

After entering the reform and opening up,our country has been continuously developing power infrastructure construction and improving the economic operation and management level of power construction projects. After long-term efforts, certain results have been achieved. But the economic operation and management of electric power is a relatively complicated task.Some enterprises in our country have not really perfected the mechanism of economic operation and management, and there are still some problems in management, which affect the economic benefits of power enterprises. Therefore, we must recognize the importance of the economic operation and management of power companies, analyze the factors that affect the economic benefits of power companies, improve the economic operation management system, and work hard for China's power construction[1].

In order to improve the stability of the power grid, it is necessary to continuously improve the power system. During construction, the operation of the power system becomes more and more complicated, and there will be more and more problems in the actual operation and management. Therefore, we must increase the emphasis on the economic operation and management of electric power and improve the stability of the power system.This can also effectively reduce the probability of grid failure,

ISSN 2616-5902 Vol. 3, Issue 1: 83-87, DOI: 10.25236/AJBM.2021.030110

minimize the occurrence of safety accidents, and extend the use of power equipment. Longevity, so that the stability and safety of the entire power grid can be improved.

With the improvement of people's quality of life, the demand for electricity is also increasing. Therefore, the strengthening of power economic operation and management by power companies can better meet people's demand for electricity. The economic benefits of power companies are closely related to the economic operation and management of the power system and the operation of the power system. Therefore, the improvement of the management of the power system is not only related to people's power demand, but also related to the foundation of safe power use. Further enhance the economic benefits of power enterprises[2-5].

2. Analysis on the Problem of Economic Benefit in Power Economic Operation Management

2.1 Lack of competition

At this stage, the development trend of the electric power industry is relatively good, and the development of all walks of life in society cannot be separated from electric power. As one of the national monopoly industries, the electric power industry has relatively low market competitiveness.Therefore, the management methods of enterprises are relatively inherent, and the management mode cannot be adjusted with the changes in the market. This brings about the management and development of electric power enterprises. Many drawbacks are not conducive to the long-term development of power enterprises. Moreover, in recent years, the rise of new energy sources is bound to have a certain impact on the development of power companies. Therefore, we must change the management mode and working methods of power companies to promote the reform and innovation of the power industry[6].

2.2 Electricity price control is not properly managed

The two most important power generation methods in my country are hydropower and thermal power. The investment cost of thermal power generation projects is related to the price of coal resources. Therefore, the electricity price of thermal power generation is priced on the basis of coal pricing. If there is a shortage of coal resources, coal prices will also increase, which increases the investment cost of thermal power generation projects. In order to solve this problem, my country's power sector must choose different power generation methods according to the actual situation of the region, and carry out reasonable control of electricity prices, so as to improve the controllability of electricity price management. Electricity prices in different regions are also different. The control of electricity prices in well-developed areas is better, but the control of electricity prices in some villages and towns is relatively unsatisfactory[7-9].This is because there are some problems in the management of power enterprises in the villages and towns. This will lead to relatively large fluctuations in electricity prices, which is very detrimental to the

ISSN 2616-5902 Vol. 3, Issue 1: 83-87, DOI: 10.25236/AJBM.2021.030110

economic development of villages and towns, and it is prone to imbalance between supply and demand. if electricity prices cannot be properly controlled, it will seriously affect people's daily lives and cause a variety of Management problems will also seriously affect the development of power companies[10].

2.3 Imperfect power economic operation management system

For an enterprise, marketing is a very important section, requiring the cooperation of multiple departments. However, the marketing of electric power companies is generally carried out by customers' self-initiated consumption. This is a relatively single marketing management model that ignores the promotion of market competition to the development of the company. There are also many employees in power companies who do not have a good understanding of the power economic operation and management mode, and cannot combine marketing methods with the store management system. Chaos is prone to appear, which leads to more and more complaints from consumers. Therefore, we must strengthen the management and construction of the power industry, attach importance to corporate culture, and improve the sense of responsibility of corporate employees. In order to achieve long-term and stable development, electric power companies must continuously improve their management systems and improve their scientific and rationality. However, in practice, many power companies in my country have not established complete systems for power economic operation and management, or even have not established relevant systems. Then there will be more problems in production and operation, and centralized management cannot be carried out. The allocation is also relatively vague. In addition, some electric power companies blindly pursue economic benefits and lack attention to and management of the production process, which will lead to low product quality and various problems in marketing[11-13].

3. Relevant measures to ensure the economic benefits of power enterpris

First of all, we need to analyze the problems in the current power system, improve the problematic management system, and change the traditional marketing methods in terms of marketing, because consumers and customers determine the economic system of the market, and power companies must use consumption The theme is to improve the quality of serving customers and improve the service concept of power companies. This is a better way to promote the change of power companies' management methods. Secondly, the power economy is closely related to the concept of economic operation and management. Power companies must also focus on social and economic development, continuously innovate their management methods, so that they can fit the development of society, strengthen the division of responsibilities for various departments, improve the management system, and improve the after-sales service level fully guarantees the economic operation and management of power enterprises.

In the power economic operation and management, the improvement of the electricity price policy is a vital measure. First of all, the power sector must

ISSN 2616-5902 Vol. 3, Issue 1: 83-87, DOI: 10.25236/AJBM.2021.030110

scientifically control the electricity prices in various regions, and work out a reasonable range of electricity prices according to the local conditions. Some regions mainly rely on thermal power generation, and the relevant local authorities must understand and grasp the trend of coal prices, and then regulate electricity prices. Based on the characteristics of pricing, power companies should integrate differentiated electricity prices, and improve the pertinence of pricing policies. For some companies that consume more electricity, they can also set up independent substations for them, and reasonably require part of the cost for the power supply department. Improving power economic operation management can also improve the economic benefits of power enterprises.

To improve the power economic operation and management level of power enterprises, we must first improve the management level of the power economic operation management personnel, continuously improve the content of the management organization structure, achieve clear division of labor and responsibility, and require every person in charge to strengthen Educate yourself in management and cultivate management awareness. Secondly. When hiring electric power economic operation managers, electric power companies should choose candidates with rich work experience... and also investigate the management thinking and innovation capabilities of the candidates. Finally, every employee of a power company must have certain ideas and innovations. The power company can also collect employees' opinions and suggestions on the development of the power company on a regular basis, so that employees can fully participate in the management of the company and establish a Good economic operation management system.

The development of any enterprise is inseparable from the word innovation. Innovation is the core of enterprise development. In order to improve the economic efficiency of power enterprises, improve market operations, strengthen the control and management of the power economy, computer networks can also be used to improve management the effectiveness of not only saves time and energy, but also makes the entire management process clear. In some small geographic marketing, the use of electronic marketing can save manpower and management costs. Using computer networks, electric power companies can also establish an online platform that enables users to pay online, making full use of the advantages of networked payment. Modern technology can also be integrated into the control of electric meters, using intelligent electric meters, network monitoring can be implemented for each electric meter, fully improving the intelligence of the power grid, and bringing my country's electric power economic operation management to a higher level.

4. Conclusion

In summary, the economic operation and management of electric power enterprises has an important influence on the development of electric power enterprises. In order to improve the effectiveness of economic operation and management and the economic benefits of electric power enterprises, the management of the enterprise must fully realize the economic operation and management of electric power. It is important to solve the problems in management,

ISSN 2616-5902 Vol. 3, Issue 1: 83-87, DOI: 10.25236/AJBM.2021.030110

improve the competitiveness of power companies, solve electricity price issues, improve management systems, improve service quality, and proceed from the details to ensure the long-term and stable development of power companies. Benefits can also be there. Effective improvement under the reform and innovation of power enterprises can in turn promote the improvement of the quality of economic operation and management of power enterprises.

References

[1] Bao Jixiong. Research on cost management problems and countermeasures of power enterprises based on the perspective of power economic operation[J]. Times Finance, 2018(2)15.
[2] Liu Haiying. Discuss the problem of enterprise cost management under the operation of electric power economy [J]. Communication World, 2017(5): 210-211.
[3] Wu Qingsong. Discussion on deficiencies in business management of public institutions and improvement measures[J]. Charming China,2014 (001):77-77.
[4] Dai Wei. The status quo and thinking of business management of public institutions in my country [J]. Regional governance, 2 0 1 8(031):104-105.
[5] Wang Liying. On the existing problems and improvement countermeasures of financial management in administrative institutions[J]. Zhifu Times Monthly, 2009(9):151-151.
[6] LU Zhigang, HAN Yanling, CHANG Lei. The Economic E valuation of the Distribution System Operation Based on The Combination Weighing [J]. Power System Protection and Control, 2008, 36(18): 1-6.
[7] JIANG Yimin, MA Jun. Analysis of Life Cycle Cost of Trans former [J]. Shanghai Electric Power, 2004(3): 188-191.
[8] SHI Jingnan, HAN Hongli, XU Tao. Application of Life Cycle Costs Analysis In Planning Design of Power Transformation Pro jects[J]. Power System Technology, 2009, 33(9): 63-66.
[9] YIN Ke. Yu Dongsheng. Application of Life Cycle Cost to Bid invitation and Purchase of Main Substation Equipment［J］.East China Electric Power, 2009, 37(3): 36-39.
[10] JIANG Wenjin, CHEN Taohua, SHI Guangyu. Choice forMain Transformers of Substations Based on Life Cycle Costs[J]. Electric Power and Electrical Engineering, 2009, 29(1):21-23.
[11] LIU Lu, WANG Hejie, CHENG Haozhong, et al. Economic Evaluation of Power Systems Based on Life Cycle Cost [J].Automation of Electric Power Systems, 2012, 36 (15): 45-50.
[12] Kang Li, Liao Qinglong. Life Cycle Cost Model of Distribution Network Considering Reliability[J]. Hydropower Energy Science, 2012, 30(6): 183-187.
[13] Wang Ying. Evaluation of Distribution Network Planning Scheme Based on Life Cycle Cost [J]. FarmingIndustry Technology and Equipment, 2013, 8(230): 52-53.