

RESEARCH ARTICLE

The New Trends and Characteristics of the 14th Five-year Plan for Electric Power Enterprises

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Abstract: This paper introduces the background of electric power enterprises to design the 14th five-year plan. With facing many new trends and characteristics, including policy, economic, security, service and technology etc., the electric power enterprises must fully study the new trends, combined with their own situation, improve the level of strategic planning. The enterprises should define the development position and solutions to grow bigger and stronger.

Keywords: New policy; New economy; New security; New service; New technology

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1. Planning Background Requirements

The "14th Five-year Plan" is a very critical five years for China to promote the socialist modernization construction process, and it is a five years of opportunities and challenges for enterprises. Electric power enterprises must fully understand the significance of the "14th Five-year Plan" for enterprise development. Compare state-owned assets supervision and administration of the "three leading" "the three leading" "three paradigm" standard, the electric power enterprise need to use PEST framework to carry out the law, policy, economy, science and technology at home and abroad related to the enterprise development environment analysis, which reflects the international field of vision in the planning and reform thinking, problem oriented, customer participation and scientific principles.

2. New Trends and Features of Electric Power

2.1 The New Policy

The state forcefully pushed down the price of electricity policy. The government's work reports continue to call for a reduction in power grid charges, transmission and distribution prices, and an average 10% cut in electricity prices for general industrial and commercial industries. The state Grid's average electricity price for general industrial and commercial enterprises will reduce users'

electricity costs by about 91.5 billion yuan in 2018 and another 10% in 2019, reducing users' electricity costs by about 79.1 billion yuan in 2019. In the first quarter of 2020, The operating revenue and net profit of State Grid decreased by 8.85% and 106% year-on-year, showing a net loss of 926 million yuan, among which the net profit of the parent company was -944 million yuan. The reform of state-owned assets and soes has entered a critical period of "grasping implementation and improving results". The reform of state-owned enterprises has entered a critical period of "grasping implementation and improving results". Electric power enterprises must deepen the reform of mixed ownership, perfect the modern enterprise system, promote the reform of compensation, improve and strengthen the incentive mechanism. For example, in November 2019, State Grid introduced a number of mixed-use reform projects in Shanghai, including UHV, energy storage, high-end equipment manufacturing, finance and general aviation.

2.2 The New Economy

The new economy is mainly reflected in high-quality economic development. The 14th Five-Year Plan period will be a crucial period for China's economy to move from a middle-income stage to a high-income stage. New forms of business, new models and new scenarios will continue to emerge. As an important basic industry, the develop-

ment and transformation of the electric power and energy industry is on its way, and the innovation-driven development is becoming increasingly prominent. Artificial intelligence, blockchain, big data, high-end equipment, new energy and new materials will become new drivers of China's economic growth. A new round of energy revolution goes hand in hand with the digital revolution. The technological change cycle of energy and Internet is gradually shortened. New businesses and models such as energy storage and electric vehicles are constantly emerging, and cross-border competition is becoming increasingly fierce. The task of economic and social development remains arduous. The year 2020 is a decisive year in the fight against poverty. The central government has vigorously implemented the rural revitalization strategy and coordinated regional development strategy to resolutely win the battle against poverty, and has set higher requirements for the implementation of measures such as continuous strengthening of power infrastructure construction, poverty alleviation through employment and village assistance by power enterprises. For example, an electric power enterprise strengthens communication and reporting with local governments and innovatively launches public-welfare posts for the operation and maintenance of rural distribution networks in view of the employment problems of poor households and the actual operation and maintenance of mountain power networks.

2.3 The New Security

Safe production of electric power is extremely important. Electric power enterprises should highlight the leading and supporting role of party construction and further implement the main responsibility of electric power safety production. In April 2020, the State Council committee issued the national production safety rectification of the action plan for three years, and strive to advance modernization of safety production management system and management ability, realize the volume continued to decline, and larger accident for comprehensive safeguard people's lives and property safety and high quality and economic development, social harmony and stability provides powerful production safety guarantee. The international energy security situation is becoming increasingly serious. Energy security involves political security, economic security, ecological security, resource security and nuclear security, and occupies an important position in the national security system. A trade war with China, and since COVID - 19 outbreak, the international energy supply and demand structure and the new trend of development of the international energy, must from global height of the national energy security, firmly implement the "four revolution, a

cooperation" energy security strategy, power cooperation with surrounding countries, optimize the structure of energy consumption in our country, to diversify our energy input, Ensure the secure supply of national energy.

2.4 The New Service

Energy and electricity demand will continue to grow for a long time. At present, China's per capita electricity consumption is less than half of developed countries, and there is still a large space for future development of electricity. The central executive meeting focused on new infrastructure construction for many times, with hard nuclear technology to repair short board, promote growth, including 5 g infrastructure and application, photovoltaic (pv) grid and uhv, industrial Internet, inter-city high-speed railway and inter-city rail transit, new energy vehicles and charging pile, artificial intelligence, big cloud computing data center, and other areas of the seven, and dubbed the "new construction" concept. Power investment in particular needs to shift to technology, marketing and business model innovation around the core issues of "new infrastructure". Clean and green development will be further accelerated. In recent years, global climate and environmental problems have become increasingly serious, and governments of all countries have deeply realized that the development model based on traditional fossil energy is not sustainable, and have turned to the development of renewable energy. In the first week of May 2019, the UK went coal-fired free for the first time since 1882.

2.5 New Technology

"Internet plus energy" is the inevitable direction of future energy development. Electric power enterprise is in the central link of energy revolution, we should fully understand the pivotal position of electric power system. Deep combination of information technology and power industry. The accelerated integration of energy technology and information technology is shaping the five pillars of the fourth industrial Revolution and accelerating the development of the energy Internet, forming a distinctive feature of The Times. With the progress of information technology, especially the distributed technology, the Internet of things, cloud computing, big data, the application of artificial intelligence, 5g, large amounts of information collection, processing, analysis and management, production technology innovation, promote energy transmission technology, consumer technology, management, technology innovation and development, adapt to the new era of the new trend of electric power development and service.

3. Revelation and Suggestion

The "14th Five-Year Plan" is a systematic project that focuses on the present and the long-term. In the face of these new economic, security, technical features, development trends such as the electric power enterprise must be thorough analysis summary enterprise present situation and developing orientation, to do a good job of "difference" planning, embodies a macroscopic, strategic, forward-looking and guiding the requirements, accurately grasp the development opportunity, give full play to the competitive advantage, planning oriented, Planning is

used to define the development orientation, direction, objectives and measures to ensure the correct development direction of the enterprise, improve the development level of the enterprise, gather the enterprise's hearts, unify the enterprise's actions, and promote the improvement of development quality and efficiency.

References

- [1] Kaplan, NORTON. Strategic mapping of intangible assets into tangible results [M]. Liu Junyong, Sun Wei, trans. Guangzhou: Guangdong Economic Publishing House,2005.