

Outline of the
Fourteenth Five-Year
Plan and 2035 Vision for
National Economic and
Social Development of
Shandong Province

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The first part Guided by Xi Jinping's thought of
socialism with Chinese characteristics in the
new era to open a new journey to build a
modern and strong province in the new era

The "Fourteenth Five-Year Plan" period is the first five years after China has fully built a well-off society and achieved the first 100-year goal, riding on the momentum to open a new journey of building a modern socialist country and marching towards the second 100-year goal. The key five years to accelerate the transformation of new and old dynamics and promote high-quality development. We must scientifically grasp the new development stage, firmly implement the new development concept, take the initiative to integrate into the new development pattern, strive to be at the forefront of the new journey of socialist modernization, and comprehensively open up a new situation in the construction of a modern and strong province in the new era.

Chapter 1: Decisive achievements in building a moderately prosperous society

The "13th Five-Year Plan" period is an extraordinary five years of development in Shandong. In the face of the complex and severe external environment and the difficult and

heavy task of reform, development and stability, the provincial party committee and the provincial government adhere to the guidance of Xi Jinping's thought of socialism with Chinese characteristics in the new era, unite and lead the people of the province to remember the important instructions of General Secretary Xi Jinping on the work of Shandong, fully implement the 19th CPC National Congress and the spirit of the second, third, fourth and fifth plenary sessions of the 19th CPC Central Committee, promote the overall layout of the "five-in-one" overall layout, coordinate the "four comprehensive" strategic layout, adhere to the general keynote of seeking progress in a stable manner, adhere to the new development concept, deepen the structural reform of the supply side, focus on the "leading edge, comprehensive pioneering". **In-depth** implementation of the eight development strategies, efforts to protect and improve people's livelihood, deepen the overall strict governance of the Party, the construction of a strong economic and cultural province has made significant new achievements.

Comprehensive strength has been significantly enhanced. GDP exceeded 6 trillion yuan and 7 trillion yuan in succession

In 2020, the GDP per capita will exceed 10,000 yuan. The structure of the three industries was optimally adjusted to 7.3:39.1:53.6, grain production was stabilized at more than 100 billion jins for seven consecutive years, and the contribution of the service industry to economic growth was increased to 55.1%. A total of 6.47 million new jobs were created in cities and towns, and the registered unemployment rate was kept within 4 percent. General public budget revenue was RMB 656 billion, an increase of 18.6% over 2015. The per capita disposable income of residents was RMB 32,886 yuan, with an average annual growth rate higher than the economic growth rate, and the quality and efficiency of development were significantly improved.

The first results of the transformation of dynamic energy. Firmly "cage for birds, phoenix nirvana", Shandong new and old dynamic energy conversion comprehensive pilot zone construction to promote in-depth, "ten" modern advantageous industries to accelerate the cultivation, Yulong Island refining and chemical integration, Shandong Heavy Industry Green Smart Industrial City, Longchao cloud

equipment industry innovation A number of leading pillar major projects such as the Yulong Island Refining and Chemical Integration, Shandong Heavy Industry Green Smart Industrial City, and Longchao Cloud Equipment Industry Innovation Center have been built on the ground, and the added value of the "four new" economy has reached 30.2% of the regional GDP. The number of high-tech enterprises exceeded 14,000, which is 3.5 times of 2015, and the output value of high-tech industry accounted for 30.2% of the regional GDP.

The proportion of the total industrial output value above the model reached 45.1%, 12.6 percentage points higher than that in 2015. New research and development institutions such as the Institute of Advanced Technology, the Industrial Technology Research Institute and the Energy Research Institute were established and operated, and **the** world's leading national heavyweights such as the Blue Whale No. 2 and the Jiaolong were built.

Regional innovation capacity ranks 6th in the country.

The ecological environment has improved significantly. Green water and green mountains is the silver mountain development concept more deeply rooted in people's hearts, focusing on eight major landmark battles, the prevention of pollution sources "four reduction four increase" three-year action, the full

completion of the task of reducing total coal consumption, the implementation of the river system, the lake system, the Bay system, the forest system, in-depth promotion of the comprehensive marine ecological civilization of Long Island

The pilot area, the Taishan region, the ecological protection and restoration of mountains, water, forests, fields, lakes and grasses, and the construction of the Yellow River Delta wetland ecosystem protection and management project. The province's energy consumption of 10,000 yuan of gross regional product decreased by 19% compared with 2015, PM_{2.5} concentration decreased by 37%, the proportion of good days increased by 14.2 percentage points, the proportion of surface water reaching or better than Class III water bodies at state-controlled cross sections was 73.5%, the proportion of poor Class V water bodies and black smelly water bodies in built-up areas of municipalities were all eliminated, the proportion of good water quality in near-shore waters reached 94.1%, the forest coverage rate was expected to reach The forest coverage rate is expected to reach more than 20%, the new soil erosion control area is 6,782 square kilometers, and the blue sky, white clouds and twinkling stars become an important part of people's happy life.

The reform and opening up has made deep breakthroughs. Nine major reform initiatives were implemented, and the "management and service" reform was promoted in depth, with provincial power matters reduced by 59%. **The reform of** key areas and key links, such as state-

owned enterprises, finance and taxation, and development zones, was accelerated, and the construction of a first-class business environment was outstanding. We have been deeply involved in the construction of "One Belt, One Road", the China (Shandong) Pilot Free Trade Zone and the China-Shanghai Cooperation Organization Local Economic and Trade Cooperation Demonstration Zone were approved for construction, and the establishment of the China-Japan-South Korea Local Economic and Trade Cooperation Demonstration Zone was promoted. More than 10,000 new foreign-invested enterprises were established, and the actual utilization of foreign investment exceeded \$65 billion. Major international events such as the SCO Qingdao Summit, the Confucian Business Conference and the International Friendship City Cooperation and Development Conference were successfully held, demonstrating to the world the new, open, inclusive and dynamic Shandong.

Regional urban and rural areas become more coordinated. The strategic position of Shandong Peninsula City Cluster has been accelerated, the core cities of Jinan and Qingdao have significantly enhanced their radiation-driving capacity, the construction of the three economic circles of the provincial capital, Jiaodong and Lunan has been comprehensively launched, the breakthrough of Heze and the rise of western Lu have been outstandingly effective, the administrative

division of Jinan and Laiwu has been adjusted, and the urbanization rate of the resident population has reached 61.8%.

Rural revitalization of Qi

The construction of the model of Lu is being solidly promoted, the "ten hundred thousand" project, the construction of beautiful villages "four one three" action is effective, the rural tap water penetration rate reached 97%, the full implementation of agricultural water-saving projects in the Yellow Irrigation District, the completion of the national export food and agricultural products quality and safety demonstration Province. The "Ten Actions" to strengthen the ocean province have been promoted in depth, and the proportion of the gross marine product to the regional GDP and the proportion of the national gross marine product have reached 1/5 and 1/6 respectively.

The infrastructure has leaped up comprehensively. Four horizontal and five vertical comprehensive transportation corridors have been accelerated, and the Jinan-Qingdao high-speed railway and the Lunan high-speed railway have been opened to traffic one after another, and the high-speed railway in the province has become a ring, with a mileage of 2,110 km. The mileage of urban rail transit has reached 339 kilometers, and Jinan, Lu'nan, and other cities have been opened to traffic, Qingdao entered the subway era. The highway mileage reached 7473 km, one
In 2009, the "county to county high-speed". The cargo

throughput of coastal ports reached 1.69 billion tons.

Ranked 2nd in the country. Qingdao Jiaodong International Airport and Jinan Yaowang International Airport Phase II projects were accelerated. The “three crosses and two directs” ultra-high voltage transmission pattern was completed, and the capacity of receiving incoming calls from outside the province reached 35 million kilowatts. The installed capacity of new energy and renewable energy generation reached

The total length of the backbone water network reached 1,459 kilometers, and the capacity of water supply guarantee and flood prevention and mitigation was significantly enhanced.

Implementing water security projects, the Yellow Water East Diversion and Huangjin Qing renovation and expansion projects were completed one after another, and the total length of the backbone water network reached 1,459 kilometers, which significantly enhanced water supply security and flood mitigation capabilities. It was approved to create a national industrial Internet demonstration zone, and 51,000 5G base stations were built and opened, ranking 4th in China, with full coverage in the main urban areas of 16 cities.

The well-being of the people has been continuously enhanced. With the in-depth implementation of the strategy to eradicate poverty with precision, all 2.516 million people below the provincial standard

have been lifted out of poverty, and all 8654 provincial key villages have been withdrawn from poverty alleviation work. The multi-level social security system was basically completed, and the proportion of expenditure on people's livelihood in fiscal expenditure was maintained at around 80%, and the five social insurance schemes covering pension, medical care, unemployment, work injury and maternity were fully established.

The system of the system. The average standard of urban and rural low income insurance increased by 55% and 48% respectively compared with the end of 2015. The comprehensive strength of education has been significantly enhanced, the comprehensive reform of thinning and elimination of large class sizes have been effective, the gross enrollment rate of higher education has reached 56.75%, the rehabilitation university has been approved for construction, the First Shandong Medical University has been completed and enrolled, and the integration of national fitness and national health has been accelerated. The core values of socialism have been vigorously promoted, traditional culture has flourished, and the Nishan World Civilization Forum and the Nishan World Confucianism Center have become important platforms for mutual appreciation of global civilization. Women and children, nationalities and religions, archives and history, foreign affairs, earthquake and meteorology, fire safety, work of the disabled and other undertakings have made great progress.

Society remains harmonious and stable. The construction of peaceful Shandong and rule of law Shandong reached a new level, the administrative system in accordance with the law continued to improve, the basic completion of the city, county,

township, village four levels of full coverage of the public legal service system. Prevention and resolution of major risks is strong and effective, and the prevention and control of the new crown pneumonia epidemic has achieved significant strategic results. Proper disposal and resolution of financial debt, production safety, transportation, food and drug, flooding, forest fires, mining and geological and other key areas of risk, a large number of backlog of letters and visits were properly resolved, the fight against black and evil special battle fruitful, the ability to significantly enhance the safe development.

Over the past five years, the provincial party committee and provincial government have firmly implemented the important instructions of General Secretary Xi Jinping on Shandong's work, conducted in-depth investigation and research, strengthened top-level design, paid close attention to the implementation of the results, focused on breakthroughs, solved many long-standing problems that have not been properly solved, broke through many major bottlenecks that have long restricted development, and accomplished many important things that lay the foundation for long-term benefits, a clean political ecology, pragmatic and efficient government The political ecology, pragmatic and efficient government, economic ecology for high-quality development, dynamic ecology for innovation and entrepreneurship, natural

ecology for clean mountains and clear water, and social ecology for civilization and harmony are being formed at an accelerated pace, laying the foundation for the construction of a modern and strong province in the new era.

We have a solid foundation.

Chapter 2 The new development stage faces new opportunities and challenges

The current and future period, China's development is still in an important strategic opportunity period, but the opportunities and challenges are new development changes. The challenges are unprecedented, the opportunities are unprecedented, and the opportunities outweigh the challenges.

The world today is experiencing a major change unprecedented in a century, a new round of scientific and technological revolution and industrial change is developing deeply, the international power contrast is adjusting profoundly, peace and development are still the theme of the times, the concept of the community of human destiny is gaining popularity, while the international environment is becoming increasingly complex, instability and uncertainty are increasing significantly, the impact of the new pneumonia epidemic is widespread and far-reaching, economic globalization is encountering counter-current, and the world is entering a period of turbulent change.

China has shifted to the stage of high-quality development, significant institutional advantages, governance effectiveness, long-term economic upturn, sustained development with a variety of advantages and conditions, while the main contradictions in society

have brought a series of new features and requirements, scientific and technological innovation has given rise to new development momentum, the level of social productivity continues to leap, the people's desire for a better life presents diverse, multi-level, multi-faceted characteristics, a strong domestic market to accelerate the The formation of a strong impetus for development and a wide space.

The province started a new journey to build a modern and strong province in the new era, various positive factors to accelerate the gathering, deep participation in the construction of "one belt and one road", docking Beijing-Tianjin-Hebei and Yangtze River Delta location advantages, the Yellow River Basin ecological protection and high-quality development strategy gives significant opportunities; new and old dynamic energy conversion comprehensive pilot zone, China (Shandong) Free Trade Pilot Zone The new old energy conversion comprehensive pilot zone, China (Shandong) Free Trade Pilot Zone, China-Shanghai Cooperation Organization local economic and trade cooperation demonstration zone and other major platforms to speed up the construction, the strategic overlap advantage is prominent; strong industrial base, huge market potential, innovation resources continue to gather, reform

Reform dividend accelerated release; the majority of party members, cadres and masses to work hard, seeking change and strong, officers and entrepreneurs enthusiasm, fully have the strength, ability and confidence in the new development stage to achieve greater as. However, we must also see that the province's development is still in the transformation and upgrading of the critical juncture, the task of converting the old and new dynamic energy is still arduous, science and technology innovation to support high-quality development capacity is insufficient, resource and environmental constraints tighten, key areas of reform needs to continue to deepen, urban and rural regional development is still unbalanced, there are shortcomings in the field of people's livelihood, social governance and weaknesses. The whole province should unify their thoughts and actions to the decision and deployment of the Party Central Committee with Comrade Xi Jinping as the core, maintain strategic determination, grasp the laws of development, enhance the struggle, strengthen bottom-line thinking, accurate knowledge of change, scientific strain, proactive change, and strive to win the advantage, win the initiative and win the future in high-quality development.

Chapter 3 By 2035 to build a modern and strong province in the new era

Standing at the new historical starting point of building a well-off society, Shandong will make decisive progress in building a modern and strong province in the new era by 2035. The province's economic strength, scientific and technological strength, and comprehensive competitiveness will leap dramatically, the gross domestic product per capita will reach the level of medium developed economies, a high-level innovative province and a strong province of science and education and talents will be built; a new type of industrialization, informationization, urbanization and agricultural modernization will be basically realized, a modern industrial system will be formed first, a strong province of advanced manufacturing, new energy and new materials, and a strong digital province will be built; the governance system and governance capacity will be basically realized. The modernization of governance system and capacity, the construction of safe Shandong to a higher level, the basic establishment of the rule of law in Shandong, the rule of law government, the rule of law society; the overall strengthening of cultural soft power, the quality of national and social civilization to new heights, to become a highland of exchange and mutual appreciation of world civilization, to build a strong cultural, health and sports province; green production and living

The goal of building a beautiful Shandong with the harmonious coexistence of human beings and nature is basically realized; a new highland of reform and opening up is built, the market-oriented, rule of law-oriented and internationalized business environment is fully shaped, and the new advantages of participating in international economic cooperation and competition are obviously enhanced; the level of urban-rural integration and land-sea linkage development is significantly improved, the model of rural revitalization in Qilu is fully formed, and a modern agricultural, marine and transportation province is built. The per capita income of urban and rural residents will reach a new level, the gap between urban and rural regional development and the living standard of residents will be significantly narrowed, and basic public services will be equalized; people's life will be better, and the overall development of human beings and common prosperity of the people will make more obvious and substantial progress, fully demonstrating the fruitful results of modernization.

The second part Focus on "in the forefront, a comprehensive pioneering" construction of a new era of modernization of the province to achieve a major breakthrough

Chapter IV "Fourteenth Five-Year Plan" period of economic and social development guiding ideology

Hold high the great banner of socialism with Chinese characteristics, thoroughly implement the 19th Party Congress and the spirit of the 2nd, 3rd, 4th and 5th Plenary Sessions of the 19th CPC Central Committee, adhere to Marxism-Leninism, Mao Zedong Thought, Deng Xiaoping Theory, "Three Represents" Important Thought, Scientific Outlook on Development and Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era as the guidance, comprehensively Implement the basic theory, basic line and basic strategy of the Party, conscientiously implement the important instructions of General Secretary Xi Jinping on the work of Shandong, closely focus on the overall layout of "five in one" and coordinate the "four comprehensive" strategic layout, unswervingly implement the New development concept, adhere to the general keynote of seeking progress in a stable manner, to promote high-quality development as the theme, to deepen the supply side

The main line of structural reform, reform and innovation as the fundamental driving force, to meet the people's growing needs for a better life as the fundamental purpose, active integration into the new development pattern, integrated development and security, deepen the implementation of eight development strategies, focus on breaking through the nine major reform efforts, to strengthen and expand the "ten" modern advantageous industries, continue to improve social The city group of Shandong Peninsula will play a leading role in the ecological protection and high-quality development of the Yellow River Basin, be in the forefront of the new journey of socialist modernization, and open up a new situation in the construction of a modern and strong province in the new era.

Chapter 5 "Fourteenth Five-Year" period of economic and social development of the basic requirements

--Must adhere to the overall leadership of the Party. Enhance the "four consciousness", firm "four self-confidence", to achieve the "two maintenance", and effectively strengthen the Party's overall leadership of economic and social development, to provide a fundamental guarantee for achieving high-quality development. Fundamental guarantee.

--Must adhere to the people as the center. Always take

people's aspiration for a better life as the goal of struggle, adhere to the direction of common prosperity, effectively protect and improve people's livelihood, promote social justice, and continue to enhance people's well-being.

--Must resolutely implement the new development concept. The new development concept throughout the development process and all areas, unswervingly promote the transformation of the old and new dynamics, accelerate quality change, efficiency change, power change, and strive to wade out a new path in high-quality development.

--Must take the initiative to integrate into the new development pattern. Hold the strategic base point of expanding domestic demand, make production, distribution, circulation and consumption rely more on the domestic market, lead the ecological protection and high-quality development of the Yellow River basin, promote the optimization of the country's north-south economic pattern, efficient penetration of domestic and international markets, and take the lead in exploring effective ways conducive to promoting the construction of a new development pattern nationwide

Trail.

–Must deepen reform and opening up comprehensively. Greater efforts to emancipate the mind and update the concept of

We will break down the obstacles of institutional mechanisms that restrict high-quality development and quality of life, strengthen major reform and opening initiatives that are conducive to improving the efficiency of resource allocation and mobilizing the enthusiasm of all parties, and continuously enhance development momentum and vitality.

--Must adhere to the system concept. Strengthen the forward-looking thinking, global planning, strategic layout and overall promotion of development in various fields, strengthen policy synergy, coordinate stable growth, promote reform, adjust structure, benefit people's livelihood, prevent risks and ensure stability, focus on strengthening the foundation, promote the advantages, fill the shortcomings and strengthen the weaknesses, and promote the construction of a modern and strong province in the new era in a comprehensive and coordinated manner.

Chapter 6 "Fourteenth Five-Year" period of economic and social development of the main goals

Anchored by the 2035 vision, after five years of unremitting struggle, the modernization process in major areas is at the

forefront of the country, and breakthroughs are made in the construction of a modern and strong province in the new era. Comprehensive strength in the forefront, the province's gross domestic product to a new level, the Shandong Peninsula city cluster in the Yellow River Basin ecological protection and high-quality development of the leading role in the prominent, become a strategic node of the large domestic cycle, the strategic hub of the domestic and international double cycle, and become the country's new economic growth pole; development quality and efficiency in the forefront, new technologies, new industries, new industries, new models "four new The **"four new"** economies account for a significant increase, new dynamic energy to lead the main engine of economic development, the initial formation of a modern industrial system, the industrial chain product chain to the middle and high-end; science and technology innovation in the forefront, independent innovation system more perfect, science and technology strategic support and leading role continue to enhance, a high-level innovative province is basically built; reform and opening up in the forefront, key areas of key link reform to achieve greater breakthroughs in key areas of reform, market-oriented rule of law and internationalized business environment

The construction of ecological civilization is in the forefront, the green transformation of production and lifestyle is effective, the efficiency of energy and resource utilization is greatly improved, the total emission of major pollutants is greatly reduced, the stability of the ecosystem is significantly enhanced, and the ecological environment is continuously improved; the governance effectiveness is in the forefront, the construction of safe Shandong, rule of law Shandong, and integrity Shandong is deeply promoted, the prevention of The improvement of people's livelihood is in the forefront, achieving fuller and higher quality employment, the basic synchronization of income growth and economic growth, and a significant increase in the level of equalization of basic public services, and a significant improvement in people's quality of life. Focus on the following areas to focus on breakthroughs and shape into advantages.

--The construction of a strong science and education province has achieved a major breakthrough. The innovation platform system is more complete, the ratio of R&D expenditure of the whole society has increased significantly, the integration of science, education and industry has been promoted deeply, the high-quality education system is more sound, the advantage of talent gathering has been accelerated, the institutional mechanism of science and technology innovation has been improved, and it

has become an important national innovation highland and talent highland.

--A major breakthrough in the construction of a strong cultural province. Socialist core values into all aspects of economic and social development, the influence of excellent traditional culture has been significantly enhanced, the protection and utilization of cultural relics has been comprehensively strengthened, the public cultural service system has been made more sound, the status of the strategic pillar industry of cultural tourism has been fully manifested, and a famous cultural tourism destination has been built.

--A major breakthrough in the construction of a strong health province. The public health care system is more complete, the medical and health care industry system covering the whole life cycle is improving, mass sports, competitive sports and sports industry are developing comprehensively, and people's physical literacy and health level is steadily improving.

--Major breakthroughs were achieved in the construction of a strong modern agricultural province. The supply guarantee capacity of food and important agricultural products has been continuously enhanced, the advantages of the whole industrial chain of deep processing of agricultural products have been more consolidated, the rural one, two and three industries have been deeply integrated, and remarkable results have been achieved in creating a model of rural revitalization in Qilu.

--Major breakthrough in the construction of a strong province of advanced manufacturing industry. The level of advanced industrial base and modernization of industrial chain will be significantly improved, the output value of high-tech industry will be significantly increased, the competitiveness of power equipment, offshore equipment, rail transportation equipment and intelligent home will enter the leading ranks of the country, and a number of industrial clusters, pilot enterprises and famous brands with global influence will be formed.

--Major breakthrough in the construction of a strong marine province. Modern marine industry system is more perfect, marine science and technology innovation capability is significantly improved, marine ports are moving towards world-class, marine ecological civilization construction has achieved obvious results,

and become an international leading marine economic innovation leading area.

– A major breakthrough in the construction of a strong digital province. The effectiveness of digital infrastructure, digital government and digital society construction will be significantly improved, the real economy and digital economy will be deeply integrated and developed, digital industry clusters with international competitiveness will be formed, and the province will become a national industrial Internet demonstration area.

--The construction of a new energy and new materials province has achieved a major breakthrough. The new energy industry supported by nuclear power, hydrogen energy, smart grid and energy storage has become an important pillar industry, and the competitiveness of frontier new materials, key strategic materials, advanced basic materials and other industries has been significantly enhanced, becoming an important new energy and new materials base in China.

--The construction of a strong transportation province has achieved a major breakthrough. Modernized comprehensive transportation system is increasingly

Improve the mileage of high-speed railroads to double, to realize the city to high-speed rail, sea transport, civil aviation global connectivity significantly improved, become a comprehensive transportation hub in Northeast Asia and even “one belt and one road”.

"The main indicators of economic and social development in the
14th Five-Year Plan period

Indicators (units)	2020	2025	"The 14th Five-Year Plan Average growth rate[Cumulative]	Propertie s
Economic Development				
(1) Growth rate of gross regional product(%)	3.6	-	5.5	Anticipator y
(2) Urbanization rate of resident population (%)	61.8	65 or so	[3.2 or so].	Anticipator y
(3) Growth rate of total labor productivity (%)	-	-	>5.5	Anticipator y
(4) "Four new" economic value-added ratio (%)	30.2	40	[9.8]	Anticipator y
Innovation driven				
(5) Growth in investment in R&D (%)	-	-	9.3 or so	Anticipator y
(6) Number of high-value invention patents per 10,000 population (one)	3.88	10	[6.12]	Anticipator y
(7) Value added of core industries of digital economy as a proportion of regional GDP (%)	4.8	10 or so	[5.2 or so]	Anticipator y

People's well-being				
(8) Growth in per capita disposable income of residents (%)	4.1	-	>5.5	Anticipatory
(9) Urban survey unemployment rate (%)	5.3	-	<5.5	Anticipatory
(10) Average years of schooling for the working-age population (years)	10.8	11.3	[0.5]	Binding
(11) Number of licensed (assistant) physicians per 1,000 population (People)	3.25	3.85	[0.6]	Anticipatory
(12) Basic pension insurance participation rate (%)	94.5	96	[1.5]	Anticipatory
(13) Number of child care places for infants and toddlers under 3 years of age per 1,000 population (units)	0.6	4.5	[3.9]	Anticipatory
(14) Life expectancy per capita (years)	79 or so	Around 80	[1 or so]	Anticipatory
Green Ecology				
(15) Reduction in energy consumption per unit of gross regional product (%)	[19]	Complete the country Decomposition tasks	-	Binding

Indicators (units)	2020	2025	"The 14th Five-Year Plan Average growth rate[Cumulative]"	Properties
(16) Decrease in carbon dioxide emissions per unit of gross regional product (%)	[>22.7]		-	Binding
(17) The ratio of good air quality days in prefecture-level and above cities (%)	69.1		-	Binding
(18) The proportion of surface water reaching or better than III water bodies (%)	73.5		-	Binding
(19) Forest cover (%)	-	-	-	Binding
Safety and security				
(20) Comprehensive grain production capacity (million tons)	5447	5500	-	Binding
(21) Comprehensive energy production capacity (billion tons of standard coal)	1.2	1.25	-	Binding

Note: 1. Reduction in energy consumption per unit of GDP (%) and reduction in CO2 emissions per unit of GDP (%) are the cumulative values of "13~~5~~5";

2. The first four binding indicators of green ecology, in accordance with the national decomposition of tasks to be implemented; forest coverage to be 2020 forest resources

The target value for 2025 will be set after the end of the source survey and reported to the Standing Committee of the Provincial People's Congress for approval and implementation.

Part III In-depth implementation of the strategy of strengthening science and education and developing talents to accelerate the construction of a high-level innovative province

Adhere to the core position of innovation in the overall situation of modernization, promote the deep integration of science, education and industry, improve the science and technology innovation system, stimulate the vitality of innovation and entrepreneurship of the whole society, comprehensively enhance the level of innovation-driven development, so that science and technology self-sustainability and self-improvement become the strategic support for development.

Chapter VII enhance the strength of scientific and technological innovation

Facing the world's scientific and technological frontier, facing the main battlefield of the economy, facing the major strategic needs of the country, facing people's life and health, promoting source innovation, technological innovation, industrial innovation, to create an important national innovation highland.

Build strategic basic research platforms. Actively strive for the layout of national strategic science and technology forces in Shandong, significantly enhance the capacity of basic and applied basic research, and accelerate the construction of regional

In addition, we will create conditions for the creation of a comprehensive national science center, and make significant contributions to China's climb to the top of the world's science and technology. Accelerate the construction of the “1313” laboratory system, the construction of national laboratories (marine), and strive to reach 30 national key laboratories, the construction of

In addition to the 10 provincial laboratories, 300 provincial key laboratories have been cultivated. According to the national unified deployment, coordinate the layout of major scientific and technological infrastructure, plan and build a number of large scientific devices such as the Marine Ecosystem Intelligent Simulation Research Facility and the Hydrodynamic Platform, and enhance the effectiveness of facilities such as the “Science” marine research vessel and the National Deep Sea Base. Take the initiative to dovetail with the national “Science and Technology Innovation 2035

—”重大工程，积极参与国家大科学计划和大科学工程。 The introduction of the Chinese Academy of Sciences, the Chinese Academy of Engineering and other “national” branches, the construction of the Chinese Academy of Sciences Jinan Science and Technology City, the Chinese Academy of Sciences Marine

Research Center, etc., for the establishment of the Chinese Academy of Sciences Shandong Branch. Accelerate the layout of clinical medical research centers for critical care, radiation and treatment, and the construction of P3 biosafety laboratories. Develop a ten-year action plan for basic research, and lay out a number of provincial-level research centers for basic disciplines. By 2025, the proportion of investment in basic research to investment in R&D will increase to about 8%, and the comprehensive innovation capacity will be among the first in the country.

Build high-end industrial technology innovation platform. Create a new type of R & D institutions, implement the innovation and entrepreneurship community cultivation plan, implement flexible operation mechanisms such as “institution + company system” and council system, build Shandong Industrial Technology Research Institute and Energy Research Institute at a high level, and explore the construction of Shandong Molecular Biomedical Research Institute. Implement the plan to upgrade innovation platforms above the provincial level, cultivate and build the national innovation center of cloud computing equipment industry, technology innovation center of high-speed trains, technology innovation center of advanced printing and dyeing, technology innovation center of comprehensive utilization of saline land, technology innovation center of carbon

fiber, etc. In quantum information, 5G, Internet of things,
industrial

In the fields of Internet, intelligent electromechanics, fiber optic sensing, artificial intelligence, unmanned vehicles, biomedicine, germplasm innovation, MEMS, etc., a number of provincial-level technology innovation centers, industrial innovation centers and manufacturing innovation centers are newly created to strengthen the docking of innovation and industrial chains and form a multi-level networked innovation system.

Strengthen the key core technology research and development. Focus on key common technologies, leading-edge technologies, modern engineering technologies, disruptive technologies, increase investment in science and technology innovation, the implementation of science and technology research "unveiling system", the chief expert "cabinet system", project funding "lump sum system" "The "horse-racing" mechanism stimulates innovation vitality. Compile a dynamic list of key core technologies, focus on integrated circuits, high-end equipment, new materials, biomedicine, hydrogen energy, modern agriculture and other fields, and implement about 100 major technology research projects each year, focusing on breaking through a number of "neck" technology. Organize and implement a number of science and technology demonstration projects such as Beidou system and hydrogen energy utilization. By 2025, strive to obtain about 150 major scientific research

achievements to fill the gaps in the country, with traction.

<p>Column 1: Major innovation platform</p> <p>National and provincial laboratories: (1) Qingdao Marine Science and Technology Pilot National Laboratory (2) Jinan Particle Science and Applied Technology Shandong Province Laboratory (3) Jinan Medical and Health Shandong Province Laboratory (4) Jinan Cyberspace Security Shandong Province Laboratory (5) Qingdao New Energy Shandong Province Laboratory (6) Zibo Green Chemical and Functional Materials Shandong Province Laboratory (7) Yantai Advanced Materials and Green Manufacturing Shandong Province Laboratory, etc.</p> <p>Large scientific devices: (1)Marine ecosystem intelligent simulation research facilities (2)microbiome detection device (3) ocean drilling research vessel (4) super computing center (5) national deep-sea base (6) manned space microgravity test device (7) atmospheric environment simulation system (8) ultra-high-speed high-</p>

Qilu Research Institute of Information Innovation (5) Qilu Institute of Modern Microbial Technology, Institute of Microbiology, Chinese Academy of Sciences (6) Higher Institute of New Pharmaceutical Creation around Bohai Sea, Institute of Drug Innovation, Chinese Academy of Sciences (7) Northern New Drug R&D Public Technology Service Center, Shanghai Institute of Pharmaceutical Sciences, Chinese Academy of Sciences (8) Chemical New Material Technology Innovation and Industrialization Alliance, Chinese Academy of Sciences (9) National Institute of Industrial Design (10) Agricultural Science and Technology Innovation Center of Chinese Academy of Agricultural Sciences, etc.

New R&D institutions: (1) Shandong Industrial Technology Research Institute (2) Shandong Institute of Advanced Technology (3) Shandong Energy Research Institute (4) Shandong Industrial Technology Research Institute (5) Construction of more than 30 provincial-level innovation and entrepreneurship communities in the fields of new-generation information technology, high-end equipment, new energy and materials, modern marine, medical and health, high-end chemical industry, modern agriculture, biotechnology, cultural creativity, etc.

Industrial innovation platforms: (1) National Fuel Cell Technology Innovation Center (2) National Manufacturing Innovation Center for Offshore Equipment (3) National Advanced Printing and Dyeing Technology Innovation Center (4) Shandong

Province Technology Transfer and Transformation Center (5) Shaneng (Yanmar) New Energy Research and Innovation Center (6) Shandong Province International Institute of Artificial Intelligence and Autonomous Driving (7) Shandong Province high-end petrochemical pilot science and innovation platform (8) Qingdao high-end intelligent Home Appliance Manufacturing Innovation Center (9) Zibo MEMS National Technology Innovation Center (10) CNBM Science and Technology Innovation Institute (11) Mozi Science and Technology Park (12) Dongying Science and Technology Research Institute of China University of Petroleum (East China) (13) Wanhua Global R&D Center Expansion Project and Incubation Base (14) Yantai National Nuclear Power Industry Technology Innovation Platform (15) Weichai Internal Combustion Engine Reliability Key Laboratory (16) Jining Innovation Valley (17) Taishan Innovation Valley (18) Weihai High-end Medical Device Technology Innovation Center (19) Rizhao Iron and Steel Research Institute (20) Liaocheng Luci Chemical National Polycarbonate Innovation Center (21) Binzhou

Bohai Science and Technology City (22) Heze Fuxi Think Tank (23) Heze Peony Industry Research Institute (24) Heze Biomedical Industry R&D Innovation Center (25) Shandong Advanced Aluminum-based Materials and Technology Laboratory, etc.

Chapter 8 Building a high-quality education system

Better play the role of education in the construction of innovative provinces as a source of power, highlighting the priority development of education and innovative talent training, deepening education reform, optimizing the structure of education, improving the quality of education, promoting educational equity, in-depth implementation of the fundamental task of moral education, and training the overall development of moral, intellectual, physical, aesthetic and socialist builders and successors.

Deepen the construction of high-level universities and high-level disciplines. Highlight the connotation development of higher education, coordinate and promote the reform of the education method, school operation mode, management system and guarantee mechanism, and focus on

Optimize the structure of higher education, the structure of disciplines and specialties, the structure of talent training, improve the ability of universities to serve local development, and increase the gross enrollment rate of higher education to over 60%. Support Shandong University, China Ocean University, China University of Petroleum (East China), Harbin Institute of Technology

(Weihai) and other universities under the Ministry of Education in Lu have entered the forefront of similar universities in China in terms of comprehensive strength and reached the world first-class level in several disciplines. Implementing the

“double high” construction plan of provincial universities, building about 15 high-level universities and 50 high-level disciplines, and promoting provincial universities to the national **“double first-class”**. Develop high-level applied research universities, accelerate the cultivation of shortage talents in science, agriculture and medicine, and support the construction of modern industrial colleges. Layout and build 140 key laboratories in colleges and universities to achieve full coverage of high-level disciplines. Optimize the layout of higher education, actively introduce domestic and foreign high-quality higher education resources, and appropriately increase the number of higher education institutions.

Support and regulate the development of private colleges and universities. Implement the “six projects” **for the** reform and development of postgraduate education and the accurate cultivation plan of doctoral and master's degree authorization, and strive for the ratio of postgraduates to undergraduates in colleges and universities in the province to exceed the national average. Strengthen international exchange and cooperation among colleges and universities, and build the brand of “Study in Shandong”.

Build a highland of vocational education innovation and development. Implement the project of professionalizing and characterizing vocational colleges and universities, strengthen research on vocational and technical education, and explore the system and model of vocational education with Chinese characteristics in the new era. Optimize the layout of vocational colleges and specialties, focusing on building 20 high-level vocational colleges, 50 high-level secondary schools and a number of special vocational colleges. Deepen the reform of mixed ownership of vocational colleges and universities, support enterprises and schools to jointly run secondary colleges and majors, and form a number of vocational education groups. It will implement the unified management of vocational colleges in the city, promote the integration and development of vocational colleges and technical colleges, fully implement the system of

“academic certificate + vocational skill level certificate” ,
and cultivate the reserve talents of “one million craftsmen” .
Sound “vocational education

The “college entrance examination” system, the development of undergraduate level vocational education, optimize the joint training mechanism between vocational colleges and applied undergraduate colleges. Expand the scale of professional degree postgraduates, and build an interchange bridge between vocational education and general education. Implement the construction project of high-quality technical education schools, and support the development of technical education groups. Build national cities with integrated production and education, and support state-owned enterprises and large private enterprises to build enterprises with integrated production and education.

Deepen the comprehensive reform of basic education. Love and nurture children's creative nature, stimulate curiosity and imagination, and enhance the ability of innovation and practice. Increase the supply of basic education resources, improve the proportion and quality of public kindergartens and inclusive kindergartens, and raise the gross enrollment rate of preschool education to about 95%. Promote the quality and balanced development of compulsory education and urban-rural integration, and implement the rural education revitalization plan. Establish a long-term prevention and control mechanism for large class sizes in

ordinary primary and secondary schools, and continue to improve school conditions. Promote the construction of special high schools, and increase the gross enrollment rate of high school education to 98%. Deepen the comprehensive reform of college entrance examination and support students to choose their own development direction. Strengthen physical and aesthetic education, labor education and mental health education, increase sports, extracurricular activities and social practice, standardize off-campus training, reduce the burden of schoolwork, and let students grow up healthy and happy.

Improve the modern education support system. Establish and improve the long-term mechanism to ensure the continuous and stable growth of financial investment in education, and ensure that the annual average growth of provincial financial investment in education is about 10%. Implement the project of building a high-quality teaching force in the new era, and strengthen the construction of teachers' ethics and style. Promote compulsory education teachers "county management school employment" reform, increase teacher replenishment efforts. Promote the construction of a "dual-teacher" teaching force. Promote comprehensive reform of education evaluation. Strengthen the role of high-quality schools to stimulate the vitality of primary and secondary schools. Strengthen the education of young people on the

Constitution and the rule of law, and implement the “legal education project” **for** young students. Improve the mechanism of collaborative education among schools, families and society, and improve the guarantee mechanism of special education and specialized education. Implement the Education Informatization 2.0 Action Plan

We are planning to build a province-wide “Internet + education” platform. Improve the lifelong learning system and build a learning society. Prevent bullying in schools and build a safe campus.

Column 2: Major education projects

Basic education: (1) the project to eliminate the problem of large class sizes in ordinary primary and secondary schools (2) the construction and upgrading of kindergartens

(3) rural primary and secondary schools sanitary toilet renovation project (4) rural teachers' turnover dormitory construction project (5) Shandong Province education information technology infrastructure security capacity enhancement project (6) compulsory education strong town solid foundation plan (7) the third phase of special education upgrading plan (8) general high school strong subject training excellence action plan (9) master teacher cultivation system optimization project, etc.

Vocational education: (1) Ministry and province jointly build national vocational education innovation and development highland project (2) vocational education resources expansion and school conditions upgrading action plan (3) high-level vocational colleges and professional groups construction project (4) China vocational education museum and vocational experience museum project (5) large

Chapter 9 Stimulate the innovation and creativity of talents

Adhere to the Party's management of talent, the implementation of respect for labor, respect for knowledge, respect for talent, respect for creativity policy, deepen the reform of the institutional mechanism for the development of talent, gather the world's talent and use it.

Cultivate high-level talent team. Highlight the "high precision and shortage" orientation, improve the combination of universal and personalized talent policy system, strengthen basic research, frontier emerging, compound cross and professional field talent training. Improve the mechanism of cultivating high-end talent ladder, increase the efforts of attracting and nurturing outstanding young talents, optimize and enhance the Taishan and Qilu talent projects, and select provincial

Outstanding contribution to young and middle-aged experts, expand the scale of the postdoctoral platform, and create first-class leading talents and innovative teams. Build a high-level new think tank, and implement the innovation project of philosophy and social science. Vigorously promote the spirit of model workers, the spirit of labor and the spirit of craftsmen, implement knowledge updating projects, carry out skill upgrading actions, build a number of national training bases for highly skilled personnel, skill master studios, innovation studios for model workers and craftsmen talents, and grow a team of high-level engineers and highly skilled personnel. Implement a new round of entrepreneurial quality improvement action, and cultivate "world Confucian business" with international vision and modern business philosophy. Continuously encourage and guide the flow of talents to the front line of the grassroots, and strengthen the construction of "rural revitalization partners" .

Vigorously introduce high-end talents at home and abroad. Attract international top scientists to build laboratories in Lu, "one-off" tailor-made support policies for handsome scientists and teams that are urgently needed in key industries, master "neck" technologies or fill gaps in domestic disciplines in the province. Strengthen the construction of overseas offshore R & D

bases, build new R & D institutions with domestic famous universities and institutes, and improve the mechanism of direct and flexible attraction of talents. Improve the mechanism of "Talent Shandong" promotion, implement a more open and convenient management system for the introduction and entry and exit of foreign talents, improve the permanent residence system for foreigners, and implement national treatment for technical migrants, foreign students with innovation incentives and entrepreneurship. Build a number of international hospitals, schools, apartments and communities to provide quality services for high-level talents coming to Shandong. Build Qingdao Academician Port, National Innovation and Entrepreneurship Base for Science and Technology Leaders (Jinan) and International Talent Port to a high standard.

Create a good environment for the development of talents. Improve the innovation ability, quality, effectiveness, contribution-oriented evaluation system of scientific and technological talent, and build a revenue distribution system that fully reflects the value of knowledge, technology and other innovation factors. Comprehensively deepen the right to dispose of scientific and technological achievements, the right to income, the right to use the "three powers of decentralization". Improve the mechanism for sharing the income of scientific researcher's inventions.

Build Jinan and Qingdao talent special zones, explore the path of capitalizing and equitizing the value of talents, and build a national highland of human capital industry. Develop talent housing according to local conditions, and meet talent housing needs in multiple channels and ways. Introduce domestic and foreign well-known human resources service institutions, and promote the construction of human resources service industrial parks above the provincial level. Give political treatment, economic incentives and social honors to talents and teams with outstanding contributions.

Chapter 10 to enhance the ability of enterprise technology innovation

Strengthen the status of enterprises as the main body of innovation, build an innovation ecology with close integration of science and technology, education, industry and finance, and promote the integration of innovation in the upper, middle and lower reaches of the industrial chain, large, medium and small enterprises. Create innovative enterprise echelon. Encourage enterprises to form innovation consortia, support large enterprises Industry-led construction of technology centers, industrial design centers and key laboratories to expand the development of basic and applied basic research. Support enterprises to increase

investment in R&D, establish a rigid growth mechanism for R&D investment in state-owned enterprises, significantly increase the coverage of R&D activities in industrial enterprises above the scale, and achieve full coverage of R&D institutions in large industrial enterprises. Implementation of the national high-tech enterprises and science and technology-based small and medium enterprises "double increase" plan, step by step to cultivate more "single champion" "gazelle" "unicorn". By 2025, the number of national high-tech enterprises will be doubled, and more "single champions", "gazelles" and "unicorns" **will be cultivated**. By 2025, the number of national high-tech enterprises and science and technology-based SMEs will be increased to 3,000. The output value of high-tech industries accounted for about 50% of the total industrial output value above the scale.

Improve the enterprise innovation service system. Promote enterprises, universities, research institutes and industrial parks to share resources, collaborate and innovate, and build industrial technology innovation alliances, comprehensive service centers for small and medium-sized enterprises, science education, industry and education parks and internship training bases. Encourage the development of angel investment, the

Venture capital, support banks, insurance and other financial institutions to set up special institutions of science and technology finance, the introduction of intellectual property pledge financing, science and technology insurance and other innovative varieties. Innovative financial investment methods, more equity investment to support the implementation of science and technology projects. Improve the system of technology brokers and the regular roadshow system of scientific and technological achievements, and build a comprehensive technology achievement trading platform and technology intermediary service enterprise group with national influence. Build a national demonstration zone for transferring scientific and technological achievements in Jiqing and Yan, and a national (Qingdao) demonstration zone for military-civilian integration innovation. Support the construction of “Science and Technology China” pilot cities (parks) and build a global venture capital investment center in Qingdao.

Promote mass entrepreneurship and innovation. Vigorously promote the spirit of scientists in the new era, strengthen the construction of scientific research style, spread scientific ideas, popularize scientific knowledge, and improve the quality of science for all. Promote the innovation and entrepreneurship culture of dedication, leaning, concentration and tolerance of failure, build national and

provincial demonstration bases with high standards, hold “Double Innovation Activity Week” at high level, enrich the content of summit forums, creative design, exhibition and display, silver-enterprise docking carriers, and actively participate in “Create China” and other major events. The company also actively participates in major events such as “Create China” and “School-Enterprise Line”. Encourage the development of new incubators such as crowdsourcing spaces, online innovation workshops, virtual innovation communities and digital intelligence workshops, and build entrepreneurship universities, creators' colleges and hometown entrepreneurship incubation bases.

Chapter 11 Improve the institutional mechanism of scientific and technological innovation

Optimize the science and technology planning system and operation mechanism, promote the integration of projects, bases, talents and funds in key science and technology fields, and promote the bursting of innovation vitality, efficient transformation of innovation achievements and full embodiment of innovation value.

Deepen the reform of the science and technology management system. Strengthen the government's planning policy guidance and

innovation environment to create functions, reduce the distribution of money, goods, set projects and other direct intervention.

Improve financial stability

Input mechanism, expand the scale of the provincial natural science fund. Innovative science and technology evaluation mechanism, optimize the structure of science and technology award projects, improve the project generation process. Deepen the reform of the system of ownership of scientific and technological achievements in state-owned units, carry out a pilot project to give scientific researchers the right to ownership or long-term use of scientific and technological achievements, and a pilot project of shareholding by the leaders of secondary institutions. Deepen the reform of internal governance of universities and research institutes, give greater autonomy to scientific and technological innovation, the use of the establishment, the use of talents, and implement flexible distribution models such as annual salary system, agreement salary system, and tilted performance salary for high-level talents.

Strengthen the protection and application of intellectual property rights. Implement the strictest intellectual property protection system, build a key city of national intellectual property operation service system with high standard, and promote China (Shandong) Intellectual Property Protection Center, Qingdao National Intellectual Property Service Industry Cluster Development Pilot Zone construction. Carry out patent navigation

pilot in key industries, encourage enterprises to build industrialized patent portfolios and cultivate patent-intensive industries through cooperation among industries, universities and research institutes, patent acquisition and other modes. Encourage enterprises to carry out overseas intellectual property layout and enhance the ability of innovation subjects to apply international intellectual property rules. Strive for the establishment of an intellectual property court and establish a technical investigator system. Strive for the establishment of the World Intellectual Property Organization Technology and Innovation Support Center, set up foreign-related intellectual property rights maintenance alliance, and explore the establishment of overseas intellectual property rights maintenance workstations.

Strengthen international innovation exchange and cooperation. Take the initiative to integrate into the global innovation network, implement international science and technology cooperation special projects, and build a number of international science and technology cooperation bases. Attract internationally renowned universities, high-end R&D institutions and multinational corporations to set up global and regional R&D centers in Shandong. Build the China-SEC Technology Transfer Center and international cooperation and innovation carriers such as the Sino-German Youth Academy, Qingdao Sino-Japanese Science City, Shandong (Yantai)

China-Japan Industrial Technology Research Institute, China-Ukraine Research Institute and China-Europe Institute of Membrane Technology (Weihai). Encourage enterprises and science

"goose array" industrial clusters, and deeply cultivating the "5+5" ten strong industries to enhance the competitiveness and leadership of modern industrial system.

Grow and develop new industries. Develop a breakthrough implementation plan for strategic emerging industries and build a new engine for high-quality development. By 2025, the added value of strategic emerging industries in the province will account for more than 17% of the regional GDP. (1) new generation information technology, accelerate the layout of 5G, artificial intelligence, big data, Internet of things, block chain, network security and other industries, build Jinan high-end software and advanced semiconductor, Qingdao integrated circuit and new display, Zibo MEMS, Weifang acoustic photoelectric, Weihai laser printer and other information industry bases, to create a national digital economy innovation and development demonstration area. (2) high-end equipment, the development of intelligent manufacturing, additive manufacturing, green manufacturing, strengthening power equipment, oil equipment, rail transportation equipment, construction machinery, intelligent agricultural machinery and other areas of leading edge, the development of high-end

Complete machines and core components, to create a national advanced manufacturing base. (3) new energy and new materials, actively promote energy technology change, innovation of modern energy economy model, vigorously develop new energy, renewable energy and equipment. Grow the scale of polymer materials, new nano-materials, high-performance fibers and composite materials, high-performance alloys, advanced ceramic materials, rare earth functional materials and other industries, to create a national new materials research and development and industrialization of highland. (4) modern marine, the implementation of a new round of marine strong province action program, the development of offshore equipment, marine biomedicine, modern marine pasture, desalination, to create a demonstration area for the reform and development of the marine economy.

(5) medical health, promote the integration of medical, retirement, leisure, sports and other multi-industry development, cultivate Jinan, Qingdao, Yantai, Linyi, Heze and other biomedical industry bases, to build Zibo, Weihai, Tai'an, Zaozhuang and other high-end medical device industry clusters, the construction of a high level of rehabilitation university to lead the development of the province's health industry, the construction

of a national demonstration province of medical care, “ Internet + ” medical health demonstration province.

Optimize and upgrade traditional industries. Rolling implementation of “10,000 technical reform” “10,000 enterprises transformation”, promote the traditional industries to high-end, intelligent, green overall leap. (1) high-end chemical industry, through the "large and small", elimination of backward, optimization and integration of the existing ground refining industry, high standard construction of Yulong Island refining and chemical integration project, proof of planning Dongying, Dongming, Qingdao Dongjiakou reduction and replacement of high-end chemical projects, optimization and upgrading of Lubei salt chemical base, fine chemical base, construction of intelligent green chemical park. (2) Modern and efficient agriculture, vigorously develop smart agriculture, facility agriculture and ecological agriculture, promote breed cultivation, quality improvement and brand building, and enhance the level of standardized agricultural production and open development. (3) Cultural creativity, enrich new cultural industries, enhance the development of network audio-visual, mobile media, digital publishing, animation games, film and television performance, creative design, cultural manufacturing, and create a national cultural

and technology integration demonstration base. (4) high-quality tourism, the implementation of the tourism all-factor improvement plan, to create special tourism lines, iconic scenic spots, tourist resorts and boutique projects, to create a model province of all-area tourism, international tourist destinations. (5) Modern finance, to serve the real economy as the fundamental, optimize the financial organization, market and product service system, develop industrial finance, intelligent finance, inclusive finance, people's livelihood finance, ecological finance, and consolidate the status of financial pillar industries. We will do a better job in classic industries such as textile and garment, food, paper making, building materials and furniture manufacturing, and occupy an advantageous position in the high-end of the national industrial chain. Continuously promote the "three to a drop a complement", strictly control the "two high a capital" industry new production capacity, the development and implementation of key industries to accelerate the elimination of inefficient backward production capacity action plan, strict implementation of ecological and environmental protection, quality, technology, energy consumption, safety and other standards, in accordance with the law and regulations to clear Backward production capacity, to make room for the development of new production capacity.

Build an important source of future industries. Compile future industry development programs, focus on frontier areas such as hydrogen energy and energy storage, quantum information, brain-like intelligence, gene technology, deep sea and polar regions, air and space information, new materials for extreme environments, future networks, etc., strengthen technology multi-path exploration and cross-fertilization, and organize and implement industrial incubation and acceleration programs. Seize the opportunity of biotechnology development, promote immunotherapy, cure rare diseases, genetic big data, synthetic biology and other life science and technology research. Promote the demonstration application of blockchain technology in e-government, smart logistics, financial services and other fields. Promote the construction of a national quantum standardization platform in Jinan and build a national demonstration base for quantum + standard applications. Lay out the construction of the future industry research institute, build a basic research platform, and introduce core technologies and talent teams. Support Jinan, Qingdao and other cities to build future industry pioneer zones and create future technology application scenarios.

Chapter 13 Vigorously develop modern service industry

Accelerate the service industry and model innovation, promote the productive service industry to specialization and value chain high-end extension, life service industry to high-quality and diversified upgrade.

Accelerate the deep integration of productive service industry and advanced manufacturing industry. Focus on manufacturing model innovation, the development of customized services, shared or collaborative manufacturing, total life cycle management, total integration and general contracting and other service-oriented manufacturing, to promote the "hardware + software + services" integrated development, to foster a number of overall solution providers. Focus on improving industrial innovation, accelerate the development of industrial design, business consulting, testing and certification services. Focus on improving total factor productivity, and promote the innovative development of supply chain finance, information data, human resources and other services. Focus on enhancing the advantages of the whole industrial chain and improving the development of modern logistics, procurement and distribution, production control, operation management and after-sales

service. Accelerate the process of service industry standardization, support enterprises and industry associations to take the lead or participate in the development of international standards, national standards and industry standards in the service industry. Carry out the project of upgrading and leading 100 enterprises in the productive service industry, and create a national pilot project for the integration and development of advanced manufacturing and modern service industries.

Enrich the supply of lifestyle services. Strengthen the supply of basic, multi-level and personalized services, and speed up the development of smart home, consumer electronics, gaming and e-sports, e-commerce and other “intelligent industries”. Give priority to the development of medical and health care, cultural tourism, elderly care, sports and fitness and the “happiness industry”. Enhance the development of education and training, knowledge payment, ability development and other “quality industry”. Vigorously develop the “beauty industry” **such as** beauty and medical beauty, fashion and beauty decoration, and face value fashion. Standardize the development of domestic property, intermediary services, decoration and other “home industry”. Promote the professional development of the living service industry, and improve the professionalism of home management, elderly care, child care, health and

Tourism and other areas of standardization, standardization, branding level, strengthen professional integrity and professional ethics.

Strengthen the construction of service industry carriers. Vigorously develop the headquarters economy, promote the headquarters and branches of multinational companies in Lu to enhance their capabilities and expand their functions, and support the construction of central enterprises and multinational headquarters bases in Jinan and Qingdao. Strengthen the platform economy and support enterprises to build service platforms for financial transactions, data applications, value-added talents and trade logistics. Cultivate and strengthen the creative economy, promote the integration and innovation of digital technology and creative industries, and promote the construction of Internet open industrial design centers in Jinan, Qingdao and Zibo. Enhance the development of the sharing economy and promote the sharing of innovative research facilities, transportation and travel, housing and accommodation, office space and other resources. Cultivate a number of provincial-level modern service industry clusters. Support Jinan and Qingdao to build national modern service economy centers, and support Qingdao to carry out a comprehensive pilot project of

expanding and opening up the service industry.

Chapter 14: Improving Supply Chain Stability and Competitiveness of Industry Chains

Insist on independent control, safety and efficiency, strengthen strategic design and precise policy by industry, form a stronger innovation, higher value-added, safer and more reliable industrial chain supply chain, and strengthen the foundation of advanced manufacturing strong province.

Promote the advanced industrial base. Draw the main industrial ecological mapping, industrial foundation capacity assessment, accurate grasp of industrial shortcomings, chain breakpoints, the implementation of industrial foundation reengineering project.

(1) basic components, improve the high-performance, high reliability, long life, intelligent core components independent support capabilities. (2) key basic materials, to promote advanced polymer materials, special functional materials, high-end technology and structural materials, such as domestic substitution. (3) advanced basic technology, accelerate equipment for core, production line, machine for human, enhance the green

The level of automation, digitalization, networking. (4) industrial technology base, promote the application of key products and technologies to fill the gaps in the country, support the first set of technology and equipment (sets), the first batch of materials, the first version of software demonstration applications. (5) new industrial infrastructure capabilities, the development of intelligent control and perception software, industrial core software, the construction of industrial cloud intelligent service platform, cloud computing system.

Promote the modernization of industrial chains. Around the national needs, market prospects, Shandong has the foundation of the development of the field, the comprehensive promotion of the chain length system, shaping a number of strategic global industrial chain. (1) the implementation of the “strong chain” project, consolidate and enhance the advantages of green chemicals, new energy, new materials, rail transportation equipment, power equipment, automotive, construction machinery, agricultural machinery, offshore equipment, new intelligent terminals and other industries, cultivate core technologies, fist products and standard systems, and enhance industrial leadership and market share. (2) the implementation of “building chain” project, focusing on strategic industries, attracting the world's top 500 enterprises and

industry leaders, layout of core industrial projects, gathering upstream and downstream supporting enterprises, the formation of a new industrial chain.

(3) the implementation of the "complementary chain" project, focusing on "weak product chain" "unsafe product chain" "subject to the product chain", the establishment of core components, high value-added intermediate products, the final product supply and demand docking platform, to enhance the key components and core materials supporting capacity. (4) the implementation of the "chain" project, strengthen the security management of the supply chain, the development of "a chain of a policy" policy system, and promote the construction of important products, key technologies, supply channels backup system to prevent and resolve the risk of industrial chain migration.

Chapter 15 Cultivate excellent industrial ecology

Comprehensively improve the level of supply chain synergy and resource allocation ability, and form a "sunshine" in

The ecosystem of "dew" is abundant "trees" and "bushes" are integrated and symbiotic.

Vigorously cultivate "pilot" enterprises. Around the "top ten" industrial areas of advantage, through the introduction of new, integration and reorganization of a number of backbone enterprises and high-growth enterprises, strengthen platform support, policy integration and factor protection, the implementation of the three-year incubation of local multinational corporations, to create traction and control of strong aircraft carrier-class enterprises. Promote the formation of industry alliances, strengthen the vertical convergence of supporting, horizontal joint interaction, the formation of 100 billion, 500 billion, trillion-level industrial clusters. Cultivate special "small giant" enterprises and manufacturing single champion enterprises, promote "individual to enterprise" **and** "small to regular", and form a pattern of leading enterprises and synergistic development of small, medium and large enterprises. The company will also promote the conversion of "small enterprises" to "small-scale enterprises" to form a pattern of leading enterprises and the synergistic development of large and small enterprises.

Optimize the layout of key industries in the region. Take advantage of the industrial base, location and transportation,

resource endowment and other advantages, through capacity swap, indicator trading, equity cooperation and other market-oriented ways to guide the key industries to the special park, advantageous regional clustering, improve industrial concentration, industry display. Promote the integration of supply chain, localization support and cross-regional cooperation in the automobile industry to build high-end passenger cars along the coast, Jinan intelligent networked commercial vehicles, and high-end commercial vehicle bases in western Lu. Promote the concentration of refining, steel to the coast, to create a high-end petrochemical industry base in northern Lu, optimize and enhance the Rizhao-Linyi coastal advanced steel, Laiwu-Tai'an inland high-quality steel and other bases. Create Binzhou, Liaocheng, Yantai, Weifang, Linyi and other high-end aluminum deep processing industry base.

Column 3: Major advanced manufacturing projects

High-end equipment: (1) Shandong Heavy Industry Green Smart Industrial City Project (2) Qingdao Rail Transit Key Equipment Industrial Park (3) Qingdao Laixi Aviation Industrial Park (4) Beijing Jiangyong Intelligent Construction Industrial

Equipment Industry City (9) Weichai new million digital power industrial base a project (10) Weifang magnetic levitation power equipment industrial park (11) pick into the permanent life of China and South Korea high-end equipment industrial park (12) Jining construction machinery national new industrialization industry demonstration base (13) Taian Mining Equipment Industrial Park (14) Weihai China-Europe advanced intelligent manufacturing industrial park (15) Rizhao Yuejiang robotics industrial park (16) Derui Green Intelligent Manufacturing Industrial Park (17) Shandong Runlong annual output of 500 sets of high-end precision CNC machine tool construction projects, etc.

Automobile manufacturing: (1) Geely Intelligent New Energy Vehicle Project (2) Jinan Haoche New Energy Vehicle Project (3) Qingdao Laixi New Energy Vehicle Industry Cluster (4) Chery Automobile Qingdao Base (5) FAW Jiefang New Energy Light Truck Base (6) Beijing Automobile Vehicle Manufacturing Headquarters Base (7) BAIC (Zibo) New Energy Vehicle Parts and Components Industrial Base (8) Geely High-end Commercial Vehicle Production Capacity Integration and Improvement and Automotive Industrial Park (9) East China Intelligent Networked Vehicle Test Site (10) FAW Jilin Yantai New Energy Vehicle Base (11) SAIC Motor Dongyue New Generation Sport Utility Vehicle and its Variants Project (12) Weifang Commercial Vehicle New Energy Power Core Components Production Base (13) Weifang Bidwin New Energy Vehicle Industrial Base (14) Taian Aerospace Special Vehicle Production Base (15) Rizhao Great Wall Automobile Industrial Park, etc.

High-end chemicals: (1) Yulongdao Refining and Chemical Integration Project (2) Wanhua Ethylene (3) Dongying Weilian Chemical Paraxylene Project, etc.

New energy: (1) China Northern Wind Power Mother Port Industrial Park (2) China Aerospace New Energy Industrial Park (3) China National Defense Power Battery Industrial Park (4) Shandong New Energy Hydrogen Fuel Cell Manufacturing Base (5) Jinan and Qingdao Intelligent Energy Internet Project (6) Zibo Hydrogen Energy Whole Industry Chain Base Project (7) Weihai Nuclear Energy Utilization International Innovation Demonstration Park (8) Tsinghua University Advanced Nuclear Energy Technology Research Base (9) Linyi Hydrogen Energy Industrial Park (10) Offshore Wind Power Grid-connected Testing Center (11) Lubei Comprehensive Intelligent Industrial Park (12) Weiqiao Lightweighting Base Project, etc. (9) Linyi Hydrogen Energy Industrial Park (10) Offshore Wind Power Grid Testing Center (11) Lubei Comprehensive Intelligent Industrial Park (12) Weiqiao Lightweight Base Project, etc.

New Materials: (1) China Film Valley (2) China Aluminum Valley Science and Technology Innovation Complex (3) National Rubber and Tire Engineering Technology Research Center Functional New Materials Industrial Park Project (4) China Xinfu Green Aluminum Deep Processing Wisdom Industrial Park (5) Dongying Rare Earth New Materials Industrial Park (6) Weifang High-end Aluminum Processing and Innovative Application Industrial Base (7) Weifang (Linqi) Magnetics Industrial Park (8) Jining Rare Earth Functional Materials Industrial Park (9) Shiheng Special Steel Tai'an Special Construction Steel Project (10) Taishan Iron and Steel Fine Steel Production System Process Optimization and Reengineering Project (11) Huaneng New Energy New Material Industrial Park (12) Guangwei Carbon Fiber Efficient Preparation Complete Equipment Localization Project (13) Linyi Lingang High-end Stainless Steel and Advanced Special Steel Base (14) Linyi High-end Wood Technology Industrial Park (15) Heze Cavis High Performance Aluminum Alloy Parts production R & D project (16) Heze Xuyang Group high-end special polyamide new materials industrial park, etc.

Biomedicine: (1) Shandong Institute of Life Sciences Engineering Industry Technology (2) Qilu Pharmaceutical Biomedical Industrial Park (3) Huaxi Biological Life and Health Industrial Park (4) Haier Cell Valley Project (5) Zibo Yellow River Delta Pharmaceutical Valley Industrial Park (6) Zibo Biomedical Industrial Park (7) Lunan Health Industry Park (8) Dongying Xinfu Biomedical Advantageous Industry Cluster (9) Yantai Development Zone International Biological Pharmaceutical Valley (10) Weifang Zhucheng Biomedical Science and Technology Industrial Park (11) Jining Life Science Center (12) Lu anti high-tech biotechnology industrial park (13) Taian Biomedical Industrial Park (14) Ruiying pharmaceutical biopharmaceutical whole industry chain intelligent manufacturing project (15) Bu Chang Chinese medicine modernization integration project

(16) Heze modern medicine "a port four parks" and so on.

Part V Accelerate the development of the digital economy

Comprehensively promote digital transformation

Proactively embrace and actively integrate into the digital era, strengthen digital infrastructure support, promote open sharing of data resources and innovative applications, promote the deep integration of the digital economy with the real economy, and comprehensively improve the level of digital governance in government and society.

Chapter 16 Construction of new infrastructure

Increase the construction of 5G base stations, data centers, industrial Internet, Internet of Things, BeiDou satellite navigation and other new digital infrastructure to build a high-speed, ubiquitous, integrated, smart new infrastructure system.

Build and improve communication infrastructure. Accelerate the layout and commercialization of 5G base stations, promote 5G network coverage in key enterprises, industrial parks, business buildings and other places, achieve functional coverage in urban areas above the county level, key central towns and development zones above the provincial level, promote the construction of 5G slice networks and 5G

dedicated frequency networks in key industries, and reach 56% penetration rate of 5G network users in the province by 2025. Establish a 5G testing and verification service platform, and build a 5G public testing and certification laboratory and joint innovation center. Promote **the** development of integrated air-space-sky network facilities, complete the evolution of broadband core networks to terabytes (TB), accelerate the development of fifth-generation ultra-high-speed optical fiber networks, and achieve full coverage of gigabit access capacity in households and 10-gigabit access capacity in business buildings. Strengthen the Internet Protocol version 6-based

(Collaborative innovation development of terminals of (IPv6) networks, promotion of mobile and fixed terminals supporting IPv6. Build Jinan National Quantum Confidential Communication Industry Base, and promote the international communication industry

The service import and export bureau was settled in Qingdao, and China Post International Exchange Bureau was settled in Jining.

Coordinate and regulate the construction of data centers. Implement green data center construction action, build Jinan, Qingdao and Zibo low latency data center core area. Promote the development of data center scale and agglomeration, and build national health care data center (north), ecological and environmental data supercomputing cloud center, Qingdao ocean data center and other industry data centers, and regional data centers of large Internet enterprises. Strengthen the construction of the central cloud, layout a new generation of high-performance computing facilities and big data processing platforms, promote the integration of Jinan and Qingdao national E-level supercomputing centers into the national distributed supercomputing Internet system, strengthen industrial computing applications, and build a new highland of computing power in the "China Computing Valley".

Accelerate the layout of edge computing resource pool nodes, large-scale deployment of mobile edge computing, and guide the collaborative development of cloud computing and edge computing.

Upgrade and improve the Internet of things. Construction of the national industrial Internet identification and resolution of the Internet

of things industry provincial node public service platform, Shandong Province, the Internet of things testing and certification public service platform. Promote the interconnection of all things, high-speed links to the construction of a region-wide perception platform, the deployment of ten million social governance neuron perception nodes. Achieve universal coverage of narrowband Internet of things network above the county level cities in the main urban areas, deep coverage of key areas, to create narrowband Internet of things application benchmarking project and a million connections scale application scenarios, the construction of Internet of things application demonstration pioneer area. Development of convergence infrastructure, accelerate the digital transformation of traditional infrastructure such as transportation, energy, municipalities, etc., and strengthen the construction of ubiquitous perception, terminal networking, intelligent scheduling system.

etc.

Data processing facilities: (1) China Calculation Valley (2) National Health Care Data Center (North) (3) Yellow River Data Center (4) Yellow River Basin Ultra-high-speed Digital Co-location Hub Project (5) Shandong Province Development and Reform Data Application Center (6) Provincial Ecological and Environmental Data Center (7) Shandong Mobile Data Center (8) Shandong Radio and Television Network Data Center (9) Yellow River Delta Cloud Computing Data Center (10) Jinan Supercomputing Center Science and Technology Park Project (11) Qingdao Ocean Supercomputing Center (12) Jinan, Qingdao and other 6 cities mobile 5G edge computing nodes (13) China (Zibo) Industrial Computing Center (14) Zaozhuang Lunan Big Data Center (15) Jining Beijing-Hangzhou Big Data Industrial Park (16) Taishan Shennong Zhigu Big Data Center (17) Tianhe Supercomputing Huaihai Sub-center Industrial Park (18) Linyi Yimeng Cloud Valley (Huawei Big Data Center) (19) Heze Lushanan Big Data Center, etc.

Industrial Internet: (1) **“Ten Hundred” Industrial** Internet Platform (2) Industrial Internet Identification and Resolution Secondary Node (3) Haier Kaos Industrial Internet Platform (4) Longchao Yunzhou Industrial Internet Platform (5) Jinan 5G-based Trusted Industrial Internet Platform and Industrial Park Construction Project (6) Jinan Industrial Internet Infrastructure Construction Innovation Platform (7) Qingdao Industrial Internet Technology Innovation Center (8) Weihai Dishang Industry-level Industrial Internet Platform (9) Boyuan Heavy Industry Infrastructure Material Data Rental and Sharing Platform Project. Construction Innovation Platform (7) Qingdao Industrial Internet Technology Innovation Center (8) Weihai Dishang Industry-level Industrial Internet Platform (9) Boyuan Heavy Industry Infrastructure Materials Big Data Leasing and Sharing Platform Project, etc.

Intelligent terminal facilities: (1) Realistic three-dimensional Shandong construction (2) Perspective Shandong - geological information integration and comprehensive utilization project (3) Qingdao national Internet of things industrial base (4) Yantai satellite Internet application industrial park (5) Shandong mapping and geographic information industry base (6) Weifang Beidou Science and Technology Innovation Industrial Park (7) Jining intelligent terminal industry base (8) Smart Light Communication Industrial Park (9) Core Hengji Electronic Information Industrial Park, etc.

Convergence Infrastructure: (1) State Grid Power Charging Pile Cluster Project

(2) Smart Network Expressway Test Base and R&D Center Project (3) Jinan-Qingdao Smart Expressway Project (4) Jingtai Expressway Tai'an-Zaozhuang (Lu Su boundary) section of the expansion of intelligent high-speed projects (5) Qingdao 5G intelligent light pole project (6) Qingdao State Grid Cloud Energy Big Data Project (7) Weifang Peninsula Energy Innovation Valley (8) Jining Port and Shipping Intelligent Operation Big Data Platform (9) Rizhao Port 5G + Intelligent Terminal Construction Project, etc.

Chapter 17 Building a digital economy highland

Optimize the digital economy ecology, promote digital technology research and application, build an internationally competitive digital industry cluster, and create a nationally important digital economy leading area.

Accelerate the industrialization of digital. (1) artificial intelligence and cloud computing, focusing on key artificial intelligence algorithms and other areas, the development of cloud operating systems, databases, middleware, industrial software and other independent and controllable high-end software systems, consolidate and enhance the leading edge of high-end cloud equipment, construction

Jinan National New Generation Artificial Intelligence Innovation and Development Pilot Zone, Jinan-Qingdao National Artificial Intelligence Development Pioneer Zone. (2) Integrated circuits, introducing industry leading enterprises, relying on Qingdao Core Valley National High-tech Industrial Base for Integrated Circuit Design and Shandong ICT Institute Integrated Circuit Design Public Service Platform, promoting the R&D, design and industrialization of embedded CPU, memory, intelligent computing chips and other integrated circuits. (3) New-type display, promote 5G+8K ultra-high-definition video key technology development and production, and build a domestic ultra-high-definition video terminal and equipment production base. (4) Internet of things, the development of core electronic devices, sensors, high-end general-purpose chips and basic software, cultivate and grow Jinan, Qingdao, Yantai, Weifang and other Internet of things industrial bases. (5) virtual reality, the development of intelligent chips, intelligent hardware, mobile intelligent terminals and other technologies and products, rich content supply, the construction of Weifang, Qingdao virtual reality industry bases. (6) big data, cultivate the whole life cycle of data collection, labeling, storage, transmission, management, application and other industrial systems, the construction of Jinan

High-tech Zone Big Data Industrial Park and other industrial clusters.

(7) Blockchain, accelerate the construction of independent and controllable blockchain infrastructure, promote regional application demonstration of new infrastructure codes, and build a global influential blockchain industry cluster. Prepare blockchain industry development plan and support the development of Shandong Blockchain Research Institute. Accelerate the digitization of industry. Use digital technology to empower all-round, all-angle and all-chain

The company is able to promote the development of traditional industries and "5G+" intelligent industries.

Development of inclusive "on the cloud with digital intelligence" promote industrial equipment on the cloud.

Promote "modern advantageous industries + artificial intelligence" accelerate the digital transformation of industrial parks, and build high-level intelligent factories and digital workshops. Support the construction of intelligent manufacturing innovation centers, joint intelligent manufacturing research institutes and other research and development institutions. Deeply promote the digital transformation of services, cultivate the development of digital trade, smart logistics, digital health care, intelligent cultural tourism and other new business models. Accelerate the development of smart agriculture and promote agricultural life

Production operations and management services digital transformation, support Zibo to carry out national digital agricultural rural reform pilot, the construction of Jinan, Qingdao, Weifang, Texas, intelligent agriculture pilot area, to create industrial Internet platform in the field of food distribution.

Build a national industrial Internet demonstration area. Improve the network, platform and security function system, promote the comprehensive upgrade of backbone network, city network, park network and enterprise network, and operate a number of secondary nodes for industrial Internet logo resolution. Deepen the "ten hundred" industrial Internet platform cultivation action, cultivate industrial Internet products and solution providers based in Shandong to serve the whole country, promote leading enterprises to build a number of industry Internet platforms, support Haier Kaos, Longchao Yunzhou to build an internationally

influential industrial Internet platform, build Qingdao "Industrial

Internet (1) Jinan intelligent manufacturing "industrial ecology

precision digital intelligent sensor chip project (3) Qingdao Core Valley (4)

Shandong have research 12-inch integrated circuit with large size silicon wafer

industrialization project, etc.

expand the "3G" industrial Internet application scenarios,

set up a number of industrial Internet deep application

benchmarks in chemical, textile, machinery and other industries,

and layout a full network of empowered industrial Internet clusters.

Data Industrial Park (6) Zhongyuan Information Community Information Service

Platform (7) Shandong Ait Yunxiang Phase II Big Data Industrial Park ((8)

Shandong Industrial Data Center Smart Manufacturing Industry Node (Yantai)- (9)

Taishan Political and Legal Big Data Industrial Park, etc.

Artificial Intelligence: (1) National Micro-Nano Manufacturing Innovation Center and Yantai Artificial Intelligence Industrial Park (2) Jinan National New Generation Artificial Intelligence Innovation and Development Pilot Zone (3) Jinan-Qingdao Artificial Intelligence Innovation and Application Pilot Zone (4) Zibo (Huantai) New Generation Artificial Intelligence Industrial Base (5) Zibo Unmanned Driving Industrial Park (6) Huaihai Digital Intelligence Valley (7) Weifang SVAC National Standard Artificial Intelligence and Internet of Things Big Data Industrial Base Project, etc.

Blockchain: (1) Shandong Blockchain Research Institute (2) New Infrastructure Cryptography Regional Application Demonstration Project (3) Longchamp and China Inspection and Quarantine Society jointly build “China Quality Chain” (4)

Chapter 18 Building a Digital Government

The construction of “one platform and one number, one network and one cloud” to create a new type of people-oriented, scenario-driven, data-driven, intelligent and efficient intelligent service digital government.

Improve the effectiveness of digital government services. High-level construction of online government services platform, promote online and offline depth of integration, to create a “24-hour” online government. Improve the whole life cycle services for enterprises and the public, and promote more government services to be done “in one chain” and “in parallel”. Strengthen data sharing and business synergy between regions, and promote government service matters across provinces and the province. Enhance the unified identity authentication, electronic seals, electronic certificates and

other common service support capabilities, the implementation of "one pass". The implementation of the "handheld Qilu" project for the benefit of the people, to create "love Shandong" mobile government services brand, to achieve "a cell phone to go Qilu". Strengthen the province's government website intensive platform construction. Promote the "Internet + supervision" platform construction and application, to achieve dynamic supervision and immediate supervision. Construction of the province's integrated collaborative office platform, optimize the "Shandong" mobile office services. Construction of the province's integrated command platform, to achieve "a screen view of the province, a network to manage **the** province.

Promote the innovative application of data resources. Build a unified big data platform in the province, improve data aggregation, governance and service capabilities, and realize “talking with data and making decisions with data”. Improve the integrated data resource system covering the province, city and key industries, and converge to form a “data lake” in the whole area of Shandong. Create a “data asset bank” **for** legal entities, and build a multi-dimensional “data portrait” **of** thousands of people. Improve the regular mechanism of data sharing and opening, realize real-time sharing of non-confidential public data in the province, and open it to the society according to the law. Strengthen the application of health care, financial services, transportation and other data resources, and form a number of exemplary data innovation application scenarios.

Implementation of digital government strong base project. Strengthen the construction of government cloud network, promote the “province a Cloud 2.0” upgrade, optimize the layout of government cloud nodes, establish a unified province-wide government cloud disaster recovery service mechanism, achieve full coverage of the full stack of service supply capabilities, and create a province-wide coordination of “government public cloud”. The implementation of

“a network of multiple planes” optimization and upgrading, the construction of efficient interconnection, cloud network integration of government network system. Strengthen the construction of digital government security system, build a security situational awareness platform, and establish a password application system in the field of government affairs. Improve the digital government standard specification system.

Chapter 19 Building a Digital Society

In line with the trend of networking, digitalization and intelligence, promote the deep integration of digital space and physical space, create a digital public service system for the benefit of the people, and create a better life with digital.

Building smart cities and digital villages. To digitally promote urban and rural development and governance model innovation, to improve the overall operational efficiency and livability. Implementation of the "city brain" action plan

It is planned to build a digital twin city, improve the city information model platform and operation management service platform, build a wisdom ecosystem with good perception, thinking and temperature, and create a new national smart city cluster. The project of **"broadband countryside" and "handheld countryside" will be** carried out in depth to improve fiber optic broadband access in rural areas, build a comprehensive information service system for agriculture and rural areas, and promote the digitization of rural management services.

Construct a new picture of a better digital life. Promote the deep integration of big data innovation achievements and public services, and create a new digital life of wisdom sharing and harmony and common governance. Deeply develop all kinds of people-friendly applications, build digital families, digital education, online medical care, and smart elderly care, and provide all-time, all-round, high-quality, and personalized digital service systems. Relying on the community digital platform and offline community service institutions, create a convenient and beneficial intelligent service circle, providing community life, community management, intelligent community and other services. Strengthen the education and training of digital skills for all people, and popularize and enhance the digital literacy of citizens. Focus on

high-frequency matters and service scenarios such as travel, medical treatment and bill payment for the elderly and special groups to effectively bridge the digital divide.

Optimize the ecology of digital development. The introduction of regulations to promote the development and application of big data, improve the policy and regulatory system. Formulate the management of data transactions in Shandong Province, implement the data product registration system, establish rules for the graded and classified management of public data resources, and explore the conditional opening of public data for a fee. Promote the

construction of data hub project and smooth data circulation channels. Promote the construction of digital Shandong

innovation platform to build a big data innovation center integrating scientific research, venture capital, command and dispatch, and propaganda and science popularization. Establish and improve the digital economy statistics monitoring system. Improve the trigger-based regulatory mechanism and build a multi-party collaborative governance system.

"Shandong" mobile office platform (3) "love Shandong" mobile government services brand construction project (4) the province's integrated command platform (5) the province's "Internet + supervision" (6) the province's "government cloud 2.0" platform and provincial government cloud innovation node (7) the province's public video resources integration application project (8) the provincial big data trading center, etc.

Smart cities: (1) new intelligent city group integrated development project (2) "city brain" to improve the project

(3) new infrastructure + new smart city integration development project (4) community security monitoring system and technical defense facilities to enhance the project (5) intelligent community pilot construction project, etc.

Intelligent cultural tourism: (1) "Hospitable Shandong — cloud tour Qilu" intelligent cultural tourism project (2) "a center of four platforms" intelligent cultural tourism comprehensive service system (3) urban digital cinema quality improvement project (4) national cultural park (Shandong section) digital display platform (5) Qingdao 5G High-tech Video Experimental Park (6) International

Part VI Adhere to the strategic base point of expanding domestic demand Proactive integration into the new development pattern

Adhere to the main line of supply-side structural reform, strengthen demand-side management, innovation-driven, high-quality supply to lead and create new demand, and promote coordinated interaction between consumption and investment, dynamic balance between supply and demand, and mutual coherence between the domestic and international markets.

Chapter 20 Promote consumption expansion and quality

Give full play to the fundamental role of consumption, cultivate a new generation of consumption hotspots, accelerate the upgrading of traditional consumption, appropriately increase public consumption, promote consumption to green, healthy and safe development, and enhance the source of economic development.

Promote the upgrading of consumption. Improve consumption infrastructure and supporting policies to expand the scale of the middle and high-end consumption market. Promote smart homes, smart terminals, and service robots into

Family, improve the recycling and treatment system for used home appliances, and carry out pilot consumption of home appliance renewal. Promote the transformation of consumer goods such as automobiles from purchase management to use management, promote new energy vehicles, improve the planning and layout of charging piles and hydrogen refueling stations, dig deeper into the potential of used car transactions and other automotive aftermarkets, support eligible contributors to apply for the establishment of consumer finance companies and auto finance companies, and build demonstration cities for used car exports. Promote the healthy development of housing consumption, and encourage innovation in housing trusteeship and other business models. Expand high-end consumption of yachts, RVs, medical tourism, etc., and support the organization of top international sailing, racing, e-sports, animation and other events. Introduce and optimize the layout of high-end star-rated hotels, cultivate national restaurant groups and management brands, and revitalize the “New Lu Cuisine”.

Expand the urban and rural consumer market. Support Jinan and Qingdao to build international consumption center cities, to build a collection of trendy products, rich in fashion charm of the northern consumption center and an important international consumption

destination. Strengthen urban business district planning, to create a number of regional consumer center cities, improve the township trade system, layout of urban and rural integration of new consumer network nodes. Build convenient living service circles, urban community neighborhood centers, township business centers and comprehensive service outlets in rural communities, and improve the development of community food stores, 24-hour stores and other community businesses. Promote the renovation and upgrading of pedestrian streets, prosperous development of the night economy, to create a night consumption cluster. Enrich the supply of goods and services suitable for rural consumption, popularize “express delivery into the countryside”, strengthen the construction of integrated distribution facilities for sorting, processing, packaging and pre-cooling of agricultural products, and open up the first and last “one kilometer” of green agricultural products into the super, high-quality industrial products to the countryside.

Foster the development of new consumption models. Promote the organic integration of online and offline consumption, build an “intelligent +” consumption ecology, innovate and develop new retail, first store economy, house economy, and support the development of intelligent sports, smart property, and digital neighborhoods. Construction of

tourism, cultural

The new scenes of consumption, new landmarks and net-worthy tourist places in the park (greenway) equal to chemical exhibition, sports and fitness, leisure and entertainment. Layout of imported goods distribution and distribution centers, bonded goods display and trading centers. Support Jinan and Qingdao to build national new information consumption demonstration cities.

Stimulate the consumption potential of residents. Improve the policy system to encourage consumption, stabilize and increase residents' property income, continuously enhance residents' consumption capacity and willingness to consume, organize and implement consumption promotion activities, implement the paid leave system, and shape a good consumption ecology. Encourage and regulate consumer financial innovation. Improve the credit system in the field of consumption, in the field of network consumption, service consumption, brand consumption and people's livelihood, carry out the project of "assured consumption in Shandong", improve the system of defective product recall, product injury monitoring, product quality guarantee, etc., protect the rights and interests of consumers, protect consumer privacy.

Chapter 21 to expand accurate and effective investment

Play the key role of investment in optimizing the supply structure, improve the endogenous growth mechanism of market-led investment, maintain reasonable growth in investment, innovative investment models, and improve the effectiveness of investment.

Adjust and optimize the investment structure. Start to promote the production and consumption of dual upgrade, domestic and international dual cycle of the ten categories of leading projects, planning and layout of traction, strategic, supportive development projects and fill the short board, strong weaknesses, key projects to benefit people's livelihood. (1) industrial "two" project, around the advanced industrial base, industry chain modernization, expand the traditional advantageous industries, strategic emerging industries and future industry investment, enhance the core competitiveness of modern advantageous characteristic industries. (2) innovation-driven projects, focusing on core technology research, major scientific facilities, innovation sharing platform, guiding enterprises and various institutions to expand investment in research and development, improve the transformation efficiency

Rate. (3) digital support project, moderately ahead of schedule, accelerate the layout of new infrastructure, promote the common construction and sharing of data, service and lead the development of the new economy. (4) Consumption upgrade project, increase the construction of hardware and software to support consumption, increase investment in consumer brands, standards and services, improve the high-standard logistics system, and create a good consumption environment. (5) Infrastructure projects, improve modern high-speed railway network, high-speed network, airport group, port group, strengthen water conservation and water supply, flood mitigation and water conservancy construction, and optimize diversified energy supply. (6) urban renewal project, increase the investment in the renovation of old urban areas and community construction, restore urban ecology, and systematically promote the county to fill the shortcomings and strengthen the weaknesses. (7) rural construction project, improve rural water, electricity, roads, gas, communications, radio, television, logistics and other infrastructure, improve rural production and living conditions. (8) People's livelihood and welfare project, focusing on improving people's quality of life, maintaining a high proportion of investment in people's livelihood, and improving the supply capacity and

quality of medical and health care, public health, inclusive education, infant and child care, elderly services, national fitness, and bottom-up protection services. (9) Ecological civilization project, increase investment in ecological restoration and environmental management, promote environmental protection technology and equipment, and build circular economy, clean production and ecological industrial parks. (10) safety development project, strengthen biological, food and drug, production safety and regulatory system construction, increase investment in social governance and emergency security, and build a solid base for safety development.

Improve the investment promotion mechanism. Strengthen the counter-cyclical regulation and control and policy tools reserves, better play the investment to ensure growth, stable expectations, excellent structure of the guidance role. Deepen the investment system reform, improve the commitment system, regional assessment system, promote the approval authority level coordination, approval matters merged and integrated, optimize the project online approval and supervision platform parallel approval process, improve the "one network" function. Improve the "four batches" of projects to promote the mechanism, the formation of "project package" by industry and field implementation of project construction target

management and cycle rolling.

Enhance the project elements to ensure. The implementation of the project follows the planning, elements follow the project mechanism, strengthen the land, energy consumption indicators and other elements of the province's coordination and accurate docking. Refine the management of land use plans, improve the market supply system of industrial land such as long-term leasing, rent first and then let, flexible year supply, capitalization (equity), etc., and revitalize the unsupplied land and idle land. Comprehensively carry out evaluation of energy consumption and output efficiency per unit, and improve the mechanism of provincial storage and trading of indicators. Implement the "big special + task list" model and improve the market-based input mechanisms such as government guidance funds and government purchase services. Consider the government's medium- and long-term financial resources in an integrated manner, and carry out investment and construction management of government and social capital cooperation projects in a standardized and orderly manner. Improve the local government special debt management system, and steadily promote the pilot real estate investment trust fund in the field of infrastructure.

Chapter 22 Smooth domestic and international double circulation

Adhere to the eight-word policy of "consolidation, enhancement, upgrading and smooth flow", enhance the adaptability and flexibility of the supply structure to changes in demand, and better promote the industrial cycle, market cycle, economic and social cycle.

Promote efficient matching of supply and demand. Implement quality and branding strategies, implement product quality improvement projects and import substitution projects, expand the supply of high-quality consumer goods and services, and significantly increase the domestic market share. It will align with international quality, safety, health, environmental protection and energy-saving standards, coordinate the planning of social public measurement standards, build national testing and evaluation centers and industrial measurement and testing centers, improve the "Taishan Quality" certification standard system, and deepen the national standardization comprehensive reform pilot. The use of blockchain technology for product manufacturing, circulation, consumption, etc. to provide the whole life cycle of quality services. Support enterprises to carry out quality management system certification, domestic

External trademark registration and patent application, to create a national well-known brand creation demonstration area.

Build a modern circulation system. Coordinate the construction of modern circulation system hardware, software, channels and platforms, build a modern logistics network with integration, standardization and wisdom to adapt to the new development pattern, and promote significant cost reduction and efficiency of the whole society circulation. Improve the comprehensive transportation system, high-level construction of Jinan, Qingdao, Linyi, Yantai, Weifang, Rizhao and other national logistics hub. Vigorously develop multimodal transport, develop high-speed rail express and other railroad express freight products, strengthen international air cargo capacity building, and enhance the competitiveness of international shipping. Improve the cold chain logistics system, scientific layout of cold chain facilities, construction of Jinan, Qingdao and other national backbone cold chain logistics bases, to create a national cold chain logistics distribution center. Improve the warehousing and distribution system, build intelligent cloud warehouses, and encourage production enterprises and trade circulation to share the common warehousing infrastructure. Cultivate modern circulation enterprises with international competitiveness, promote digitalization, intelligent

transformation and cross-border integration. Support logistics, courier enterprises and emergency materials manufacturing enterprises to cooperate in depth and build an efficient emergency transportation system for key raw materials, finished products, etc.

Promote the integration of domestic and foreign trade development. Promote the convergence of domestic and foreign trade quality standards, certification and accreditation, and promote the same line with the same standard and quality. Cultivate local multinational enterprises with both domestic and foreign operations, strong international competitiveness and risk resistance, support export enterprises to expand the domestic market, and promote foreign trade enterprises on the e-commerce platform, stationed in government procurement and other online platforms. Develop new business models such as direct sales of imported goods, promote international airports, seaports and cruise ship homeports to set up more duty-free stores, and guide the return of overseas consumption. Accelerate the construction of comprehensive pilot zones for cross-border e-commerce and pilot cities for cross-border e-commerce retail imports, and implement the list of goods and regulatory policies for cross-border e-commerce retail imports. Foster and identify a number of cross-border e-commerce service platforms, public overseas warehouses and industrial parks, and expand the scale of cross-border e-

commerce B2B exports.

Column 7: Major modern logistics projects

Urban and rural cold chain: (1) Jinan National Backbone Cold Chain Logistics Base (2) Qingdao West Coast National Backbone Cold Chain Logistics Base (3) Zibo Intelligent Urban and Rural Cold Chain Warehousing and Logistics Comprehensive Demonstration Industrial Base (4) Tengzhou International Cold Chain Industrial Park (5) Beijing Shounong (Jinxiang) Agricultural Products Emergency Reserve Intelligent Cold Chain Logistics Base (6) Rongcheng City Cold Chain Logistics Base (7) Liaocheng Yashida Cold Chain Logistics Construction Project (8) Heze City urban and rural cold chain protection system, etc.

Multimodal transport: (1) Shandong will be the mountain railroad logistics public to rail multimodal transport (2) Zibo public-rail-water intermodal transport and container-type transport demonstration area (3) Yizhou port public-rail-water intermodal logistics industrial park (4) Weifang Shen Yi intelligent multimodal logistics center (5) Qingzhou public-rail logistics multimodal transport industrial park (6) Shandong (Jining) Beijing-Hangzhou multimodal logistics project (7) Yanmar Taian port public-rail-water intermodal logistics park (8) Weihai International Logistics Multimodal Transportation Center and Supporting Industrial Park (9) Rizhao Zhonggu Multimodal Integrated Logistics Park (10) Linyi East City Railway Logistics Project (11) North China Public-Rail Linkage Wisdom Ecological International Logistics Hub Center, etc.

Logistics Park: (1) Shuifa International Logistics Park (2) Shandong High-speed Logistics "Qilu" SCO Economic and Trade Industrial Park (3) Jingdong Cross-border E-commerce and Intelligent Logistics Park (4) Shandong Port

Group Luzhong (Zibo) Logistics Hub Project

(5) Shandong Expressway (Zibo) Luzhong Industrial Logistics Park (6) Shandong (Zibo) in the exchange of public and railway logistics park (7) Zaozhuang Airport Airport Industrial Park (8) Dongying Port Integrated Logistics Park (9) Shandong Jingying Railway Yantai Logistics Park Phase II (10) Yantai Port West Port North Tudai Logistics Park (11) China Logistics Sino-German "two parks" (12) Jining Smart Logistics Expo Park (13) Linyi International Land Port Logistics Park (15) Linyi Lingang Railway Logistics Park (16) (12) Jining Intelligent Logistics Expo Park (13) China-Korea (Weihai) cross-border e-commerce logistics base (14) Linyi International Land Port Logistics Park (15) Linyi Lingang Railway Logistics Park (16) Linlian Railway Logistics Park (17) Qingdao Port (Yinan) Inland Port Logistics Park

(18) Leling Public Railway Logistics Park (19) Liaocheng High-speed Railway Logistics Park (20) China Supply and Marketing — Binzhou Agricultural Products E-Commerce Logistics Park (21) Xiaoqing River Comprehensive logistics park comprehensive development project (22) Tengzhou bonded warehouse and dry seafood market expansion, etc.

Public Distribution: (1) Yunda Shandong Express E-Commerce Headquarters (2) Jingdong Jinan Intelligent E-Commerce Operation Center (3) Northern China Consumer Lifestyle Products (Jinan) Distribution Center (4) Jingdong International Idle Goods Recycling Chain Demonstration Area (5) Yantai Port Bulk Cargo Distribution Center, etc.

Title VII Priority Development of Agriculture and Rural Areas Creating a model of rural revitalization in Qilu

We will take the "three rural issues" as the top priority, comprehensively promote the revitalization of the countryside, strengthen the use of industry to supplement agriculture, bring the countryside to the city, promote the integrated development of urban and rural areas, and accelerate the modernization of agriculture and rural areas.

Chapter 23: Effective linkage between consolidation and expansion of poverty eradication and rural revitalization

After the completion of the target task of poverty eradication, a transition period is set up to maintain the overall stability of the helping policies and financial input efforts, and to promote the smooth transformation of the leadership system, work system and policy initiatives to successively promote the development of areas out of poverty and the improvement of people's lives.

Continuously consolidate and expand the results of poverty eradication. During the transition period, strictly implement the requirements of **“removing the cap** without removing the responsibility, removing the cap without removing the policy, removing the cap without removing the help, removing the cap without removing the supervision”, and continuously consolidate the results of **“two without worrying about three guarantees”**. **To** prevent the return of poverty to the dynamic monitoring and assistance mechanism, the implementation of regular monitoring of the population prone to return to poverty, especially the unstable households out of poverty, the marginal households prone to poverty, and timely targeted assistance. Develop industries with special advantages according to local conditions, promote the upgrading of

rural industries, and implement consumption assistance successively. Strengthen the management and supervision of poverty alleviation project assets, and ensure the long-term benign operation and sustained benefits of poverty alleviation assets. Support the construction and management of agriculture-related projects to adopt a work-for-food approach, standardize and upgrade poverty-alleviation workshops, coordinate the use of rural public welfare jobs, and strengthen vocational education and skills training for people who have escaped poverty and are prone to poverty. Adhere to and improve the participation of social forces to help the mechanism, continue to carry out “thousands of enterprises to help thousands of villages” action, improve the normalization of the work mechanism in the village, continue to select the first secretary and the village task force. Do a good job of aid to Xinjiang, aid to Tibet, aid to Qinghai and collaboration between the East and West.

Intensify support for key regions and groups. Successively promote rural revitalization in the Yellow River beach area, the Yimeng Mountain area and other poverty-removal areas, do a good job in relocating residents in the beach area and providing follow-up support for relocation to alleviate poverty, promote employment through multiple channels, strengthen the construction of supporting infrastructure and public services, and ensure that the

relocated people are stable, have employment and gradually become rich. Select some counties (cities and districts) as key counties for rural revitalization, and provide financial, financial, land, talent, and infrastructure support.

The government will provide focused support in terms of facilities and public services. Improve the social security and assistance system in rural areas, improve the regular assistance mechanism for the rural low-income population, and carry out dynamic monitoring of the rural low-income population. Scientifically identify rural low-income recipients, steadily raise the standard of protection year by year, and hold the bottom line of basic livelihood protection.

Chapter 24 to improve the quality, efficiency and competitiveness of agriculture

Deepen the supply-side structural reform of agriculture, shape the leading edge of agriculture, enhance the comprehensive production capacity of agriculture, and improve the modern agricultural industry system, production system and operation system. Effectively carry the political responsibility for food security.

Implementing the same responsibility for food security party and government. Resolutely

The implementation of important agricultural products security strategy, improve food security governor responsibility system and "vegetable basket" mayor responsibility system. Deeply implement the strategy of "hiding food in the land and hiding food in technology", implement the strictest arable land protection system, strictly adhere to the red line of arable land protection, stabilize the

area of grain sown, resolutely curb the **“non-agriculturalization”** **of** arable land and prevent the **“non-food”** of arable land.

The **“non-agricultural”**
and “non-food” arable
land. Accelerate the modernization of agricultural

irrigation system, promote the construction project of high-standard farmland, arable land quality improvement project, to truly achieve drought and flood protection, high and stable production. Implement arable land conservation farming techniques, carry out pilot arable land rotation, improve the benefit compensation mechanism in major grain-producing areas, and mobilize and protect farmers' enthusiasm for growing grain. By 2025, strive to reach more than 80 million mu of high-standard farmland.

Ensure that the comprehensive production capacity of grain is stable at 110 billion jin, and ensure the security of supply of important agricultural products. Coordinate the adjustment of grain, warp and feed planting structure, improve the production, purchase, marketing, storage and transportation system, in-depth implementation of high-quality grain projects, agriculture and animal husbandry cycle development project, accelerate the construction of modern breeding system, enhance the level of stable production and supply of grain, cotton and oil, fruits and vegetables, meat, eggs and milk, livestock and poultry and

aquatic products. Accelerate the development of nutrition-based agriculture to meet the demand for nutritious and healthy food consumption. Strengthen the green-oriented and

Standards leading and quality and safety supervision, the establishment of the province's agricultural inputs and agricultural products testing and supervision platform, the basic realization of "from farm to table" **the** whole process of traceable management. Strengthen the management of green food, organic agricultural products and geographical indication certification of agricultural products, cultivate regional public brands of agricultural products, and expand the overall brand influence of "Qilu Lingxiu — brand agricultural products". Enhance the function of the National Vegetable Quality Standards Center and build a national innovation center for slaughter quality standards.

To agriculture on the wings of science and technology. Building a strong seed industry, the implementation of agricultural seed projects and seed projects to tackle the action, to carry out the seed source "neck" technology research, the protection and use of germplasm resources, and strengthen the construction of seed banks. Promote the construction of national regional livestock and poultry gene bank, national regional breeding base, the Yellow and Huaihai Sea Modern Agricultural Research Center, Jinan plant gene editing base, Yantai China Northern Seed Valley, Weihai National Marine Biogenetic Breeding Center, etc., to support the seed industry leading enterprises to establish a sound commercial breeding system. Improve the prevention and control

system of animal diseases, and build a province free of specified animal diseases. Comprehensively implement soil formula fertilization, water and fertilizer integration, and promote new models and new technologies such as integrated crop pest control, ecological film cultivation and prevention and control of major livestock and poultry epidemics. Strengthen the application of large and medium-sized, intelligent, compound agricultural machinery research and development, the entire establishment to promote the full range of major crops, high quality and efficient mechanization, by 2025 the integrated mechanization rate of crop cultivation, seeding and harvesting reached 92%, the first to build a "two full two high" agricultural mechanization demonstration province. High-level construction of the Yellow River Delta agricultural high-tech industry demonstration area.

Promote the integrated development of one, two, three industries in rural areas. Relying on the characteristic advantageous resources of the countryside, implement the plan to cultivate the whole agricultural industry chain and keep the main body of the industry chain in the county. Improve and upgrade the chain of production, processing, storage, circulation and sales of agricultural products, and accelerate the development of agricultural production

Service industry. To make the leading enterprises bigger and stronger, cultivate tens of billions and hundreds of billions of agricultural industry clusters such as Yantai apples, Shouguang vegetables, Jiaodong Peninsula fisheries, Jiaodong broiler, etc. Promote the project of "hundred gardens, thousand towns and ten thousand villages", create more than 100 provincial-level modern agricultural industrial parks, more than 1,000 provincial-level agricultural industrial towns and more than 10,000 provincial-level villages with famous local industries around advantageous industries, special industries and local industries. Vigorously develop rural tourism, cultivate a number of rural tourism key villages and tourism B&B clusters. Improve rural property rights trading, trade and logistics, testing and certification platforms and intelligent standard plant facilities. Develop multiple functions and multiple values of agriculture, build agricultural products R&D headquarters, deep processing bases and central kitchens, develop contract farming and rural e-commerce, and standardize the construction of field complexes. Weifang National Agricultural Open Development Comprehensive Pilot Zone will be built at a high level, and a number of provincial-level agricultural openness and cooperation pilot zones and overseas agricultural cooperation demonstration zones will be laid out.

Chapter 25 implementation of rural construction action

Follow the law of urban and rural development and construction, fully respect the wishes of farmers, according to local conditions, classification and policy, steadily promote the construction of beautiful and livable countryside, painting colorful "Qilu style painting".

Scientific promotion of village planning and construction. Coordinate and promote the county town and village planning and construction, the township into a regional center to serve farmers. Actively and orderly promote the "multi-planning" practical village planning, according to the coastal, hilly, plain, the Yellow River beach area, the reservoir and lake area and other different geographical characteristics, scientific assessment of village resource endowment, development trends and constraints, reasonable determination of village layout classification, "a village a policy" "Optimize the ecological space of rural production and life, protect traditional villages, agricultural cultural heritage and rural characteristics. Carry out "village planner" pilot, support excellent planners, architects, engineers to the countryside

Services.

Improve the level of rural infrastructure and public services. Sustain efforts in promoting the equalization of basic public services in urban and rural areas, and strengthen the construction of universal, bottom-up and basic livelihoods. Insist on building mechanisms first, then building projects, unified planning, construction, management and care of urban and rural infrastructure. In-depth implementation of the “four good rural roads” project, strengthen the construction of rural resource roads, industrial roads, tourism roads and main roads in the village. Accelerate the construction of rural logistics network nodes, build urban-rural interaction, county-rural interconnection, smooth and efficient logistics network system. Promote the layout of new infrastructure to the countryside, accelerate the transformation and upgrading of rural power grids, radio and television infrastructure, and accelerate the coverage of emergency broadcasting. Implement rural water supply guarantee project, continue to promote the integration of urban and rural water supply construction, carry out village ponds, ditches and other “capillary” renovation and upgrading projects. Promote the extension of urban centralized gas supply, heating and other infrastructure to rural areas. Carry out the consolidation of rural dangerous

house renovation survey, the dynamic new dangerous house timely identification, timely transformation. Reasonable layout of small-scale rural schools, the construction of healthy villages, the implementation of elderly services into the village project, improve the rural public cultural service system, and encourage social forces to run rural public welfare undertakings. Strengthen the construction of rural spiritual civilization, the implementation of civilized health action of living customs, the construction of rural public welfare funeral facilities, the formation of civilized countryside, good family customs, simple folkways.

Improve the quality of rural habitat environment. The implementation of a new round of rural habitat environment improvement and upgrading action, according to local conditions, solid and orderly promotion of rural clean heating, toilet revolution, garbage treatment, sewage treatment, greening and beautification of the five major actions, the establishment of a sound long-term mechanism for the management and care of the rural habitat environment, the creation of beautiful and livable villages. Implementation of rural clean energy construction project, promote gas to the countryside, the promotion of biomass, geothermal energy, solar energy and other renewable energy heating. The establishment of rural garbage classification and disposal, recycling and harmless disposal

The “garbage does not land” classification collection and disposal system. Improve the resource utilization facilities for crop straw and livestock manure, and realize the transformation from harmless treatment to resource utilization. Improve the public space, beautify the courtyard environment, and improve the level of rural household hygiene.

Column 8: Major modern agricultural projects

Main grain producing areas: (1) Southwest Lu, Northwest Lu, Jiao Lai, Yishu main grain producing areas (2) Marine fishery areas (3) grain and oil, animal husbandry, fishery, fruit and vegetables and other national advantageous characteristics of industrial clusters, etc.

Modern seed industry: (1) agricultural seed project (2) modern seed industry upgrading project (3) national livestock and poultry germplasm resource innovation center (4) wheat and corn and other food crops molecular breeding platform (5) national regional livestock and poultry genetic resources gene bank (6) Shandong Province fruit tree germplasm resource innovation center (7) Yellow River Delta Seed Industry Innovation Industrial Park (8) modern seed industry free trade zone and exhibition headquarters base (9) the province (10) Weifang National Wheat Breeding and Cultivation Base (11) Liaocheng Luci Seedling Valley, etc.

Agricultural product safety: (1) Weifang National Agricultural Open Development Comprehensive Pilot Zone (2) High-quality grain project (3) High-standard farmland support project (4) Agricultural and animal husbandry cycle development project (5) Famous and special agricultural products brand leading project (6) “Good Food has a network” industrial Internet platform (7) food security guarantee control and emergency projects (8) Jinan Qingdao sub-provincial city food emergency guarantee center (9) “Qilu grain and oil” public brand construction project (10) regional agricultural products logistics center in southwest Lu, etc.

Agricultural products processing production: (1) high-quality special wheat production areas to enhance the project (2) demonstration project of deep processing of agricultural products (3) the whole industry chain of apple to enhance

the project (4) agricultural green development of the early area project (5) the whole industry chain of garlic to enhance the project (6) national edible mushroom production base (7) South Four Lakes freshwater fisheries to enhance the project (8) livestock and poultry slaughtering industry quality improvement project (9) Tengzhou potato Modern Agricultural Industrial Park (10) Zaozhuang Pomegranate Provincial Modern Industrial Park (11) Laiyang Chip Pear High-Quality Development Project (12) China (Weifang) International Agricultural Products Processing Industrial Park (13) Weifang Yili Dairy Products Processing Base (14) China-Japan-Korea Modern High-Efficiency Agricultural Demonstration Park (15) Weihai Shawo Island National Ocean Fishing Base (16) Sishui National Sweet Potato High-Tech Industrial Park (17) Tai'an National Agricultural Science and Technology Park (18) Dong'a Black Donkey Whole Industry Chain Enhancement Project (19) Zhanhua Winter Jujube Modern Facility Agriculture Promotion and Three Industries Integration Demonstration Base Project, etc.

Chapter 26 Deepening rural reform

Efforts to eliminate obstacles to the dual structure of urban and rural institutions and mechanisms, improve agricultural support and protection system, promote the equal exchange of urban and rural factors, two-way flow, accelerate the formation of mutual promotion of industry and agriculture, urban and rural complement each other, coordinated development, common prosperity of the new industrial-rural urban-rural relationship.

Enhance the vitality of agricultural and rural development. Consolidate and improve the basic rural management system, and implement the policy of extending the second round of land contract for another 30 years after its expiration. Improve the unified urban and rural construction land market, and actively and steadily promote the direct market entry of rural collective construction land for business purposes. Improve the system of separation of ownership, contracting rights and management rights of contracted land in rural areas, and explore effective forms of separation of ownership, eligibility and use rights of residential bases. To protect the right to contract land, the right to use residential bases and the right to allocate collective income for farmers who have settled in cities, and encourage voluntary and paid transfers in accordance with the law. Consolidate and improve the results of the reform of the rural collective property rights system, innovate the form of realization and operation mechanism of the rural collective economy, and develop a new type of rural collective economy. Innovate and enhance the “Zhucheng model”, “Weifang model” **and** “Shouguang model”, improve the specialized socialized agricultural service system, accelerate the development of agricultural production trust, and promote various forms of agricultural

Moderate scale operation. Forming institutional mechanisms to promote the integrated development of urban and rural areas, accelerating the construction of Jinan-Qingdao National Pilot Zone for Integrated Urban-Rural Development and Provincial Pilot Zone for Integrated Urban-Rural Development, and supporting the construction of Zaozhuang City National Sustainable Development Agenda Innovation Demonstration Zone. To implement county-based pilot reforms for integrated rural revitalization policies and create a number of provincial-level pilot rural reform zones.

Strengthen the protection of agricultural and rural development factors. Coordinate the new construction land index and digging potential index, and give priority to guarantee land for agricultural projects. Establish a stable growth mechanism for financial investment in agriculture, and ensure that the proportion of the province's land concession revenue spent on agriculture and rural areas reaches more than 50% by the end of **the** 14th Five-Year Plan. Strengthen rural financial services and product innovation, develop digital inclusive finance in rural areas, vigorously carry out small credit loans for farmers, pledge loans for insurance policies, mortgage loans for agricultural machinery and greenhouses, increase first loans and credit loans, improve the agricultural credit guarantee system, and promote the continuous growth of the balance of inclusive agriculture-related loans. Build

a new agricultural subsidy policy system and improve the minimum purchase price policy for grain. Steadily expand the coverage of agricultural insurance and improve

Advantageous characteristics of agricultural products insurance coverage level. Encourage scientific researchers to enter the countryside and leave their jobs to start their own businesses and get paid part-time according to the regulations. Build a pilot zone for the reform of rural revitalization in Linyi City with inclusive financial services. Increase farmers' income by all means. Enhance the role of county economy as a driving force for radiation and

Develop rural industries to enrich the people, take measures to increase farmers' wage income, business income, property income and transfer income, and ensure that the growth rate of disposable income of rural residents is higher than that of urban residents.

Implementation of high-quality farmers cultivation project, to create a love of agriculture, know technology, good management, management of high-quality farmers. Cultivate new agricultural business entities such as family farms and farmers' cooperatives, and vigorously promote the standardized operation of cooperatives led by village party organizations. Improve the interest linkage mechanism, develop agricultural industrialized consortia, and let farmers share more of the value-added income of the industry through "turning resources into assets, capital into shares, and farmers into shareholders". Revitalize traditional rural crafts, cultivate

family workshops and handicraft workshops, and promote the diversified development of rural economy. Coordinate urban and rural employment, support farmers to transfer employment near their homes, and encourage people to return to their hometowns to start their own businesses.

Strengthen and improve rural governance. Establish and improve the modern rural social governance system led by the party committee, the government is responsible, social coordination, public participation, the rule of law, science and technology support. Deepen and expand the experience of the "Laixi Conference", strengthen the construction of village organizations, and enhance the service capacity of rural grass-roots party organizations. Implement the responsibility of the five-level secretaries for rural revitalization, and promote the construction of excellent party branches to better play the role of a bastion of grass-roots fighting. Deepen the practice of villagers' self-governance and promote the sinking of the center of gravity of rural governance. Carry out the construction of pilot rural governance systems and model villages and towns. Use modern information technology to innovate rural governance, reduce the burden of village-level organizations, promote the reduction of the burden and increase the efficiency of village-level organizations, and improve the level of good rural governance.

Part VIII Strive to be strong at sea Create a new situation in the sea

Adhere to the ocean as a strategic location for high-quality development, pay more attention to the ocean, strengthen the development and protection of marine resources, in the development of the marine economy in the forefront, and make Shandong's contribution to the construction of a strong ocean state.

Chapter 27 Building a world-class marine port

Aiming at the goal of "four first-class" facilities, technology, management and service, the port will build a modern port complex with high efficiency and synergy, wisdom and greenery, access to transport, and linkage between ports and industries, and create an open interface and shipping hub that radiates Japan and South Korea, connects Southeast Asia, faces India, Pakistan and the Middle East, and connects Europe and the United States to serve the domestic and international double cycle.

Optimize the function and layout of the port. Promote the unified planning of coastal port shoreline resources, highlight the characteristics, efficient development, enhance the functions of modern

ports, promote the upgrading from loading and unloading ports to hub ports, trade ports, financial ports, build international shipping service bases, bulk commodity storage and transportation trading and processing bases, and build a world-class port group on the Shandong Peninsula. Promote the deep integration of port, industry and city, and coordinate the layout and construction of functional areas such as port operation area, port channel, port logistics park, port industrial area, customs special supervision area and urban shipping service gathering area, and urban ecological corridor. Promote the linkage development of seaports, river ports, land ports and air ports, strengthen the integration of port resources along the canals, and plan and build ports along the Xiaoqing River. By 2025, coastal ports

The comprehensive throughput reached 1.8 billion tons and the container throughput reached 40 million TEUs.

Enhance the capability of international shipping services.

Develop high-end shipping services, build a set of bulk commodity trading, ship trading, shipping insurance, ship financing, capital settlement, shipping information

It will explore the establishment of shipping exchange. The port hub nodes of Qingdao Port, Yantai Port, Rizhao Port, etc. will be brought into play to expand value-added services such as shipping finance, shipping and cargo agency, distribution and delivery. Amplify the service function of “One Belt, One Road” Qingdao Shipping Index, and support Qingdao to create a marine investment bank. Support Rizhao to build a demonstration base for oil supply and energy bulk commodity trading center in northern China.

Build a smart green port. Carry out the pilot of smart ports in strong transportation countries, and actively participate in the development of international technical standards for green and smart ports. Create a port cloud ecological platform, comprehensively improve the level of regional ports, port cities, port navigation, collection and distribution synergies, build intelligent container terminals, promote automation and intelligent

transformation of liquid bulk, dry bulk, breakbulk terminals.

Promote the seamless integration of customs and port inspection

information throughout the process, and paperless customer service.

Implement the green port action plan, promote the use of clean

energy in ports, and support the construction of “China

Hydrogen Port”

Qingdao Port.

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Supporting 300,000 Tons Crude Oil Terminal Project (10) Yantai Port West Port 315-317# General Berth Project (11) Weifang Port Middle Port East Operation Area Container Berth Project

(5) 100,000-ton channel project in Weihai Bay harbor area of Weihai Port (6) Phase I project of deep-water channel in south operation area of Shizu Port of Rizhao Port (7) Phase II project of deep-water channel in Lanshan Harbor area of Rizhao Port (8) LNG breakwater and channel project in Lanshan Harbor area of Rizhao Port (9)

Chapter 28 Construction of a sound modern marine industry system

Take advantage of the leading edge of marine science and technology, promote the marine economy to the deep sea and distant sea, accelerate the development of specialization, high-end, intelligent, accumulate and grow the new momentum of the marine economy. Comprehensively enhance marine innovation capacity. Utilize Qingdao Marine Science and Technology Pilot

National

The laboratory leading role, the construction of China Ocean Engineering Research Institute, the national deep-sea base, the national shallow marine comprehensive test site, improve the "Science" marine research vessel facilities effectiveness, support the "Dream" ocean drilling vessel and other large national heavy machinery construction, the establishment of open, synergistic, efficient marine science and technology innovation system, The establishment of an open, collaborative and efficient marine science and technology innovation system. In addition, we will carry out basic scientific research on global

ocean changes, deep-sea science, polar science, natural gas hydrate formation and reservoirs, and take the lead in implementing major national scientific and technological projects in areas such as “transparent ocean”, “blue life” and “undersea resources”. In the field of “transparent ocean”, “blue life”, “submarine resources” and other areas to lead the implementation of major national science and technology projects, to seize the global marine science and technology heights.

Cultivate and strengthen the new marine industries. Promote the independent manufacturing of high-end marine equipment core equipment, strengthen the seventh generation of ultra-deepwater drilling platforms, deep-sea space stations, floating production storage and offloading devices, deep-sea farming, offshore wind power and other key equipment development and production, to build the world's leading offshore equipment manufacturing base, support the construction of Yantai China's offshore northern headquarters. Implement the “Blue Medicine Bank” development plan, build a national marine gene bank, encourage the development of marine biomedicine, biological products and new functional materials, and build a high-end marine biomedical industry base in Qinghai, Yanwei and Weiwei. Promote the establishment of the East Asia Marine Cooperation Organization,

and build the East Asia Marine Economic

Economic cooperation pioneer area. Support Qingdao and Yantai to build a national demonstration city of marine economic innovation and development, Qingdao Blue Valley and Weihai Nanhai New Area to build a national park, and promote the construction of Qingdao, Weihai and Rizhao national demonstration zone of marine economic development.

Optimize and enhance the traditional marine industry. Develop high value-added ship manufacturing, promote the research and development and production of large container ships, large liquefied petroleum gas vessels, ultra-large tankers, luxury passenger roll-on/roll-off ships, high-end ocean-going fishing vessels, yachts and river-sea intermodal vessels, and build a national advanced ship manufacturing base. Extend the marine chemical industry chain, develop fine salt chemicals, develop cosmetics, health care products and medical products. High-level construction of the “sea granary”, the national deep-sea green aquaculture pilot area, the national offshore fishing base and national marine pasture demonstration area, the construction of northern China's international aquatic products trading center and cold chain logistics base. Carry out experiments on seawater rice planting, innovative ecological recycling breeding model, and accelerate the construction of the “Bohai granary”.

Accelerate the development of modern marine service industry. Expand the function of marine tourism, planning and construction of marine theme parks, national marine science and technology museums, the development of cruise ships, yachts, marine sports and other marine tourism, improve the marine pasture tourism services facilities. Support Qingdao to build international cruise ship homeport, promote Yantai, Weihai, Rizhao to carry out cruise ships without destination high sea tour pilot.

Construction of marine economic factors trading market, accelerate the promotion of marine financial system construction, do better and stronger Shandong Marine Property Rights Exchange, Qingdao Blue Ocean Equity Exchange, Rizhao Commodity Exchange, the International Marine Commodity Exchange. Host the World Ocean Development Conference.

Marine biomedicine: (1) Qingdao Ocean Peptide Valley Industrial Park Project
(2) Qingdao Blue Valley Pharmaceuticals Marine Science and Technology
Valley
(3) Weifang Huachen Bio-Vitamin Drug Base Project (4) Weifang Xinhecheng's 250,000
tons per year methionine project (5) Shandong Langrun Azure Valley Industrial Park
Project, etc.
Modern fishery: (1) Northern China International Aquatic Products Trading

Chapter 29 Building a green and sustainable marine ecosystem

Adhere to the development and protection of equal importance, pollution prevention and ecological restoration, maintain the natural reproductive capacity of the sea, to create clear water, clean beaches, shore green, beautiful bay, island beautiful and harmonious sea. Coordinate the ecological construction of land and sea. Strengthen coastal protection forests, estuaries, shorelines, bays and Wetlands, islands and other protection and restoration, the establishment of a systematic and integrated land and sea ecological management model. The implementation of natural shoreline retention rate target control, strict implementation of the coastal building retreat line system, the delineation of coastal groundwater mining line, the province's natural shoreline retention rate of not less than 35% by 2025. Develop a list of key protected coastal wetlands at the provincial level, and establish a nature reserve of coastal wetland type. Strengthen the

conservation of marine biological resources, and grasp the long-term prevention and control of invasive alien species, such as the mutual flowering rice grass. Insist on land and sea coordination, regional linkage, strengthen the ecological environment system governance in the Bay Area, continue to promote the protection and restoration of coastal zones, ecological restoration of the Bohai Sea and the Blue Bay rectification action, strengthen the protection and utilization of Yantai, Weihai, Qingdao, Rizhao, Binzhou five major island groups, and solidly promote the “beautiful bay” protection and construction. High-level construction of Long Island, Weihai Marine Ecological Civilization Comprehensive Pilot Area, the creation of Long Island National Marine Park.

Strengthen the prevention and control of marine pollution. Sound land and sea pollution prevention and control system, strengthen land-based sources of pollution into the sea control, coastal zone ecological protection, marine pollution prevention. Continuously carry out into the sea

The river “elimination of bad action”, the land and sea combination “clean beach action”. Full implementation of the “Bay Chief System”, the implementation of the classification of the sea outfall traceability and monitoring and supervision, and the construction of cross-regional marine ecological environment common protection and joint governance mechanism. Strictly control the discharge of pollutants from port infrastructure and transport equipment, build facilities for receiving and treating pollutants from ports and ships, and strengthen the treatment of pollution from coastal ports, ships, marine garbage and marine microplastics. Establish “sea sanitation” working mechanism, carry out marine garbage investigation and monitoring and evaluation demonstration in the Bohai Sea, and explore the pilot of marine closed dumping. Improve the early warning system for sudden water pollution accidents such as oil spills, nuclear leaks and hazardous substances at sea, and promote grid-based monitoring and real-time online monitoring of the marine environment.

Intensive and economical use of marine resources. Strengthen the control of the total amount of reclamation, scientific planning for the legal compliance of reclamation of unused land, and guide projects in line with the national industrial policy to digest the stock of resources. Implement the system of managing the total amount of

marine fishery resources, optimize the structure of marine fishing operations, strictly implement the system of fishing moratorium, and carry out the pilot project of rest and rotation in the sea. Improve the system of paid use of sea areas and islands, and improve the market allocation mechanism of non-resident island resources. Crack down on illegal mining of marine sand.

Actively participate in global ocean governance. Strengthen the awareness of maritime security, strengthen the situation research and risk prevention, and resolutely safeguard national maritime rights and maritime security. Improve the infrastructure of maritime defense, build “intelligent maritime defense”, **and** promote the integration and sharing of information resources of various sea-related functions. Establish a maritime law enforcement cooperation mechanism to combat maritime violations. Explore the development of Arctic routes, and participate in the construction of the “Silk Road on Ice”. Support Qingdao to build a community of maritime destiny first demonstration area.

Title IX Integrated and coordinated regional development of the leading role of the Shandong Peninsula city group

To improve the institutional mechanism for coordinated regional development, optimize the pattern of "a group of two centers and three circles", promote a new type of urbanization with people as the core, enhance regional innovation and development momentum, and comprehensively improve the comprehensive competitiveness of the Shandong Peninsula city cluster.

Chapter 30, the in-depth implementation of the Yellow River Basin ecological protection and high-quality development strategy

Adhere to the joint grasp of the great protection, collaborate to promote the great governance, tighten the ecological protection and high-quality development of the two keys, play the leading role of the Shandong Peninsula city group, to create the Yellow River Basin ecological protection and high-quality development of the pioneer area.

Create a large green ecological corridor in the lower reaches of the Yellow River. Build the Yellow River Estuary National Park, implement the Yellow River Delta wetland ecosystem restoration project, carry out ecological water transfer and ecological water

replenishment in Qingqing Ditch and Diao Kou River Road, maintain the regional biological community pattern, and build a globally famous wetland ecosystem experience destination. Support the declaration of the Yellow River Delta as a world natural heritage site. Promote the construction of beach ecology, nature reserves, protective forests along the Yellow River, protective forests for farmland, and restoration of mining-damaged land. Build a coastal tide control system in the Yellow River Delta to prevent soil salinization and salt tide intrusion. Create Jinan-Dezhou, Binzhou-Dongying Yellow River 100-mile landscape belt, enhance the function of the ecological barrier in the lower reaches of the Yellow River. Promote the construction of Binzhou Shell Dike Island and Wetland National Nature Reserve. Vigorously promote the integration of land, shore, river and sea pollution prevention and control, increase the investigation and rectification of river and sea outfalls, establish a basin-wide collaborative management mechanism, and continuously improve the quality of river and sea ecological environment.

Create the Yellow River permanent peace demonstration area. The implementation of the “secondary hanging river” management project pilot, with the national water and sand control system and control mechanism construction, promote the downstream river and beach area comprehensive

Combined upgrading treatment to improve the flood control capacity of the main stream of the Yellow River and stabilize the flow path of the Yellow River to the sea. Comprehensive improvement of wandering rivers above GaoCun, basic control of wandering rivers, renovation of key river dikes below GaoCun to ensure that the dikes are not broken. Speed up the dredging capacity of Dongping Lake, the implementation of the old lake Jinshan Dam and the second level of the lake dike to raise and thicken the project and the Yellow River flood diversion into the lake channel project, improve the lake safety flood avoidance facilities.

Create a force for innovation in science and education in the Yellow River basin. Support universities and research institutes along the Yellow River Basin to deepen cooperation, promote the establishment of the Yellow River Basin University Innovation Development Alliance, the Union of Applied Technology Universities (colleges) and the Union of Industry and Education, jointly build advantageous disciplines, laboratories and research centers, and build the Yellow River Basin talent cooperation training base. Support the construction of the Institute for Ecological Protection and High Quality Development of the Yellow River Basin. Strengthen the docking cooperation between Shandong Peninsula National Independent Innovation Demonstration Zone and Zheng

Luo Xin and Xi'an National Independent Innovation Demonstration Zones, and jointly build science and technology parks, new R&D institutions and achievement transformation platforms.

Create a growth pole for high-quality development in the Yellow River Basin. Enhance the leading service function of Shandong Peninsula city cluster, build an international advanced manufacturing center, a modern service economy center, a global marine economy center and a nationally important modern agriculture highland, a cultural and tourism integration highland, a medical and health highland, and drive the Yellow River basin to accelerate the conversion of old and new dynamics and high-quality development. Construct Jinan New Old Dynamic Energy Conversion Start-up Area with high standard, create a reform pioneer area, independent innovation area, open demonstration area and green industry gathering area. Promote the establishment of benefit-sharing mechanisms along the yellow provinces and regions, explore new modes of cross-regional industrial cooperation such as "two-way enclaves" and "co-management parks", strengthen synergistic development with the Central Plains City Cluster and the Guanzhong Plain City Cluster, and work together to build a modern industrial cooperation belt along the yellow. Promote deepening cooperation with Jiangsu, Henan, Anhui and

Hebei junction cities to create a collaborative area for industrial transformation and upgrading.

Create a pioneering area for reform and opening up of the Yellow River basin. Amplify the advantages of Qingdao and Yantai Yellow River Basin port gateway, promote infrastructure interconnection with the provinces along the Yellow River, and work together to build an international logistics corridor connecting Japan and South Korea in the east and Asia and Europe in the west. Support Jinan to build an open gateway to the Yellow River Basin and strengthen the international interaction function. Support Shandong Pilot Free Trade Zone to strengthen cooperation with Henan, Shaanxi and Sichuan Pilot Free Trade Zone. Sound customs collaboration mechanism in the Yellow River Basin. Implement the “9+5” land and sea linkage opening cooperation initiative between the provincial capitals of the Yellow River Basin and the Jiaodong Economic Circle, build inland “waterless ports”, and promote the construction of sea-rail transit bases in cities along the Yellow River. Promote the Wari railroad to become an important channel to the sea in the Yellow River Basin, and support Rizhao to build a land-sea linkage conversion hub for trade in the Yellow River Basin.

Create a large platform for “dual innovation” in the Yellow River basin. In-depth excavation of the Yellow River culture connotation of the times, promote the Yellow River culture and Confucianism culture, Taishan culture, canal culture, marine culture,

red culture and other integration and innovation, and tell the “Yellow River story” Shandong chapter. The implementation of the Yellow River Basin revolutionary cultural relics, the Yellow River placements, the Yellow River Delta salt sites and other key cultural relics and intangible cultural heritage protection project, the establishment of national patriotic education and the Yellow River culture education demonstration base, planning and construction of the Yellow River history and culture museum, the Yellow River culture preservation and heritage center. Strengthen cooperation with the Yellow River provinces and regions in the fields of culture, tourism and education, create a cultural industry summit forum in the Yellow River provinces and regions, build the “Yellow River Miles” cultural tourism alliance, and promote the “Yellow River into the sea” international cultural tourism brand.

Yellow River Delta Wetland and Biodiversity Ecological Protection and Restoration: (1) Qingqing Ditch Flow Road and Diaokou River Road Ecological Water Replenishment Project (2) Yellow River Delta Wetland Ecological Water System Construction Project (3) Yellow River Delta Wetland Ecological Protection and Restoration Project (4) Yellow River Delta Territorial Space Comprehensive Improvement Project (5) Yellow River Estuary Protective Forest Project (6) Yellow River Delta Wetland Ecosystem National Field Scientific Observation Research (7) Yellow River Delta Rare and Endangered Animals Protection Project (8) Very Small Animal and Plant Populations Protection and Exotic Species Prevention and Control Project (9) Yellow River Delta Aquatic Germplasm Resources Collection and Protection Project (10) Yellow River Delta Fishery Biological Resource Bank Construction Project, etc.

Comprehensive utilization of saline land in the Yellow River Delta: (1) germplasm resource bank of saline-tolerant plants (2) cultivation base of saline-tolerant tree species in the Yellow River Delta (3) field scientific observation experimental site of farmland ecology in the Yellow River Delta (4) engineering center of arable land quality testing and management in the Yellow River Delta, etc.

Ecological corridor construction along the Yellow River: (1) green ecological corridor project along the Yellow River (2) wetland degradation restoration project (3) Diversion of Yellow River sediment management and ecological restoration and protection project (4) comprehensive land improvement and ecological protection and restoration project in the Yellow River beach area (5) Yellow River self-driving tourism corridor project (6) Jinan City Yellow River beach area wetland ecosystem and biodiversity restoration and enhancement project (7) Yellow River formerly known as the ecological restoration project (8) ecological restoration project of abandoned open pit mine (9) nature reserve system construction project (10) Comprehensive management of geological disasters and avoidance of migration relocation project (11) national greening and farmland forest network restoration and transformation project (12) Xiaoqing River ecological landscape belt renovation and upgrading project (13) Meng Mountain, water, forest, field, lake and grass ecological restoration project (14) Heze along the Yellow River area mountain, water, forest, field, lake and grass ecological protection and restoration project, etc.

Key Regional Water Ecology Enhancement: (1) Dongping Lake Ecological Protection and Restoration Project (2) South Four Lakes Ecological Restoration Project (3) Grand Canal Ecological Treatment and Restoration Project (4) Dawen River Basin Ecological Protection and Treatment Project (5) Xiaoqing River Basin

Water Pollution Comprehensive Treatment Project (6) Jinan City North Dasha River and other tributaries into the Yellow River Comprehensive Treatment Project

(7) Comprehensive management project of groundwater overdrawing (8) Water ecological restoration and management project of Panlong River area in Zaozhuang

(9) Water ecological restoration and management project of supporting enhancement project of Nishan World Civilization Forum (10) Construction project of coal mining collapse land management and plain reservoir in Jining (11)

Ecological restoration project of river and lake system in Taiyi Mountain area, etc.

Chapter 31 enhance the development of the central city level and comprehensive competitiveness

Support Jinan to create a national central city, support Qingdao to build a global maritime center city, improve the development mechanism of Jiqing linkage, and create a high-quality growth pole with core competitiveness and radiation leading power.

Jinan will be built into a modern international metropolis of "great strength, beauty and wealth". We will implement the "strong provincial capital" strategy, promote the development of Jinan by integrating the province and the city, build an innovative Qilu Science and Innovation Corridor, create an international medical science center and an international consumer center, and accelerate the construction of

Science and technology innovation Jinan, intellectual Jinan, cultural Jinan, ecological Jinan, recreation Jinan, drive the province's new and old dynamic energy conversion to take the lead in the breakthrough, for the construction of the Shandong Peninsula city group as a good leader, in the Yellow River Basin ecological protection and high-quality development to make a demonstration. Focus on "big", build "East strong, West Xing, South America, North up, excellent" urban development framework, accelerate the construction of the new city of the Yellow River North, promote the integrated development of Laiwu District, Steel City and the central city, to create a sub-center of the city. Focus on "strong", accelerate the development of big data and a new generation of information technology, intelligent manufacturing and high-end equipment, biopharmaceuticals and health care, high-quality steel and advanced materials and other pillar industries. Focus on "beauty", relying on the two major ecosystems of Mount Tai and the Yellow River and the two beautiful business cards of the Spring City and the famous historical and cultural city, highlighting the beauty of the ecology of the landscape and garden, the beauty of the humanities of historical heritage and the beauty of the quality of the charming city. Focus on "rich",

optimize innovation and entrepreneurship to create wealthy ecology, build a higher level of national civilized city, all-age friendly city, to achieve a rich material life, rich spiritual culture, urban and rural common wealth. Focus on "pass", improve the city's comprehensive three-dimensional transportation network and modern circulation system, gather foreign consular agencies, international organizations and international chambers of commerce, build a hub city for Eurasian trains, and construct an important pivot point connecting Northeast Asia and the "Belt and Road" route.

Qingdao is an open, modern, dynamic and fashionable international metropolis. Taking "revitalizing a city" as the leader, Qingdao will continue to amplify the effect of the SCO Qingdao Summit, build an international gateway hub city, an international innovative city and a livable and business-friendly quality bay city, and create a growth pole for the transformation and development of the eastern region and a new important strategic pivot point for the deep opening of the country north of the Yangtze River. Enhance the function of international gateway hub, build an international shipping, trade and financial innovation center, an international consumption center city and an open gateway with land and sea linkage, and create a new platform for international cooperation along the "Belt and Road".

Enhance the function of science and technology innovation curator,
create an international marine science and technology innovation
center

In addition, the city will build an "island of youth" and a "city of entrepreneurship" **where** talents gather and vitality bursts forth. Enhance the function of leading high-end industries, develop industrial clusters to participate in global competition, such as new generation information technology, high-end smart home, rail transportation equipment, new energy vehicles, intelligent manufacturing, biomedicine, high-end chemical industry, etc., build a national strategic emerging industry base, and create a world capital of industrial Internet. Protect the ecological base of the Bay Area with blue and green, mountains and seas in harmony, promote the greening of production and life, improve the governance effectiveness of mega-cities, and build a high-quality city with strong production and industry, excellent ecological environment and good living and home. Improve the world ocean elements link, marine science and innovation industry leading, marine culture exchange and cooperation, deep sea development strategy comprehensive protection and participate in global ocean governance ability, to build an international ocean city.

Chapter 32 Promote the integrated development of the economic circle

Accelerate the construction of the provincial capital,

Jiaodong, Lunan three economic circle, improve cross-city, cross-regional cooperation mechanism, and promote the common linkage of facilities, talent sharing, industry, market construction, open win-win, ecological protection, and social governance.

To strengthen the provincial capital economic circle.

Comprehensive play economic circle industrial strength, science and technology, culture and education developed, rich medical resources, location and transportation superiority and other characteristic advantages, Jinan as the center, radiation drive Zibo, Tai'an, Liaocheng, Texas, Binzhou, Dongying six cities as one development, accelerate the development of JiZi, JiTai, JiDe city. Support Zibo to build a new type of industrialization city and industrial transformation and upgrading demonstration area. Support Tai'an to build an intelligent low-carbon development demonstration area, to create a model city of mountain and water livability and national tourism and leisure city. Support Texas to build an open gateway for the coordinated development of Beijing, Tianjin and Hebei, and promote the full integration of Qihe into the development of Jinan. Support Liaocheng to build a north river water city with cultural and tourism integration, and build an emerging hub city in Jilu and Henan

City. Support Binzhou construction of the Bohai Science and Technology City, to create an integrated type of industry and education, industrial innovation "dual" city. Support Dongying to build a national green cycle energy and petrochemical base, to create a large river delta protection and management demonstration area and modern wetland city.

Enhance the Jiaodong Economic Circle. Comprehensive play of the economic circle of the leading marine economy, developed intelligent manufacturing, financial services, a high degree of openness and other characteristic advantages, with Qingdao as the leader, radiation drive Yantai, Weihai, Weifang, Rizhao four cities as one development, accelerate the Qingwei-Japan co-city, Yanwei co-city. Support Yantai to strengthen the core city function of the new and old dynamic energy conversion comprehensive pilot area, and build a modern international coastal city. Support Weihai to build an important pivot point for local cooperation between China, Japan and South Korea, and to build an exquisite city for living, working and traveling. Support Weifang to lead the high-quality development of national agricultural modernization and build an international power city and advanced manufacturing highland. Support Rizhao to build an advanced steel manufacturing base, the northern energy hub, and a modern ecological vitality port city.

Revitalize the Lunan Economic Circle. Give comprehensive play to the comparative advantages of the economic circle, such as outstanding location advantages, rich cultural and tourism resources, distinctive industrial features and huge space potential, promote Linyi, Zaozhuang, Jining and Heze to strengthen urban functions, synergize and link up development, build a pioneering area for rural revitalization, a new highland for transformation and development, and an economic bulge in the Huaihe River Basin. Support Linyi to build a comprehensive logistics hub with international influence and high-quality development in the forefront of the old revolutionary areas in the country. Support Jining to build a world famous cultural tourism city, a national innovative manufacturing city, and a northern inland waterway shipping center. Support Zaozhuang construction of resource-based city innovation transformation demonstration city, to build the Beijing-Shanghai corridor intelligent manufacturing highland. Support Heze breakthrough development “later” to build a regional center city in the junction of Lu, Jiangsu, Henan and Anhui.

Establish an efficient collaboration mechanism of the economic circle. Resolutely break up between economic circles and cities

Administrative and market barriers, improve the co-ordination of powerful, orderly competition, green coordination, sharing and win-win cooperation and development of new mechanisms. Relying on Jinan-Qingdao, Lunan Pass and the ecological belt along the Yellow River, we will create three "golden corridors". Jinan-Zibo-Weifang" is the corridor of science and innovation manufacturing in Jinan-Qingdao.

Qingdao - Yantai - Weihai" as the main axis, in the industrial Internet, rail transportation equipment, offshore equipment, hydrogen energy, new energy and new materials, health care, modern agriculture and other key areas, to enhance long-term technological advantages and product standards discourse, to build a world-class advanced manufacturing cluster. Manufacturing cluster belt. Along the yellow cultural tourism ecological corridor, with "Heze - Jining - Taian - Liaocheng

Jinan - Texas - Binzhou - Zibo - Dongying" as the main axis, to explore the Yellow River, the Grand Canal, Mount Tai, Qufu, the Great Wall of Qi and other world-class quality cultural tourism resources, to create a Chinese cultural Marking agglomeration belt. The logistics and energy corridor in southern Lu, with "Rizhao-Linyi-Zaozhuang-Jining

-Heze" as the main axis, comprehensive play port, railroad, airport linkage

encryption after the advantage, innovative "hub + channel + network" resource allocation mode, the construction of the country's important logistics center and energy base. Encourage cross-city adjacent counties (cities, districts) to explore the path of linkage development, support Qingdao Lacey - Yantai Laiyang, Jinan Zhangqiu - Binzhou Zouping - Zibo Zhoucun, Weifang Shouguang - Dongying Guangrao and other construction of integrated development of the pilot area. Accelerate the transformation and development of resource-based cities and old industrial cities. Continue to promote the "breakthrough Heze, the rise of western Lu.

Actively dovetail with major national regional development strategies. Proactively integrate into the coordinated development of Beijing, Tianjin and Hebei, accurately undertake the decommissioning of non-capital functions in Beijing, serve and support the construction of Xiongan New Area, and strive for more central enterprises, corporate headquarters, universities and research institutes to settle in Shandong. Deepen strategic cooperation with the integrated development of the Yangtze River Delta, the Guangdong-Hong Kong-Macao Greater Bay Area and the Yangtze River Economic Belt, and undertake the transfer of high-end industries and high-quality innovation factors. Improve the strategic

cooperation mechanism with Beijing and Shanghai, and deepen cooperation in high-end industries, talent exchange, science and technology innovation and culture and education.

The work. Strengthen the cooperation between Hong Kong, Macao and Taiwan, and enhance the influence of Shandong Week in Hong Kong and Macao and the Economic and Trade Fair in Taiwan.

Chapter 33 Accelerate the new type of urbanization with people at its core

Reasonably determine the size and spatial structure of cities, guide industries and populations to gather in towns, promote the coordinated development of large, medium and small cities and towns, and enhance the inclusiveness and comprehensive carrying capacity of urban development.

Accelerate the citizenship of the agricultural transfer population. Deepen the reform of the household registration system, fully liberalize the restrictions on urban settlement, promote the orderly citizenship of permanent residents in urban villages, suburban villages and town quarters, and realize the convenient settlement of agricultural transfer population in cities according to their wishes. Comprehensive implementation of the residence permit system, improve the basic public service delivery mechanism linked to the residence permit as a carrier, and the length of residence and other conditions. Promote the full coverage of basic public services for the resident population in cities and towns,

incorporate the children of agricultural migrants into the scope of compulsory education in the inflow area, mainly in public schools, and incorporate the eligible non-resident population into the housing security system. Improve the policy of linking financial transfer payments, annual urban construction land indicators to the citizenship of the agricultural transfer population, and adjusting the staffing quotas for teachers and doctors in areas of population inflow and outflow. Build a model province for the integration of the agricultural transfer population into cities.

Strengthen the functions of big cities and node cities. Enhance the ability of Jinan and Qingdao to allocate global resources, curate science and technology innovation, and lead high-end industries, build urban and inter-city rail transportation networks, create a one-hour commuting circle, and drive the development of suburban new cities in clusters to achieve industry-city integration and balanced employment and housing. Support the municipalities to promote the differentiated positioning and cluster development of manufacturing industries based on their characteristic resources and industrial bases, strengthen the construction of special service industry carriers, and improve the livability of the city.

The function of livable industry, the formation of regional important node city. Optimize the setting of administrative divisions. Relying on national parks, build new provincial-level zones in Yantai, Linyi, Dezhou and Heze on a pilot basis to create strategic pivot points for regional development. Deepen the study on the path of common prosperity and organize the construction of model cities for common prosperity.

Strengthen the comprehensive service capacity of county cities. Take the county as the basic unit to promote the integrated development of urban and rural areas, give the county more autonomy in the integration and use of resources, improve the quality of urbanization of small and medium-sized cities, and accelerate the construction of new urbanization with the county as an important carrier. Vigorously develop the county economy, guide labor-intensive industries, rural secondary and tertiary industries to gather and develop. Promote the upgrading and expansion of public service facilities, environmental sanitation facilities, municipal public facilities, and industrial cultivation facilities, and promote the experience of the construction of national new-type urbanization model counties. Vigorously develop cultural tourism, trade and logistics, resource processing and other characteristics of strong towns, and steadily and orderly promote the eligible counties

and townships with a resident population of 200,000 or more mega-towns to set up cities. To micro-industrial clusters as a spatial unit, standardize the development of characteristic towns. Cultivate a number of new growth points such as Heze Land Port Industrial New City, Liaocheng High-speed Railway New Area, Weifang Gaomi Lingang Economic Zone, Yantai Jinshan Bay Area.

Chapter 34 to improve the overall quality of the city

Adhere to the "people's city people build, people's city for the people", change the concept of urban development, integrated planning and construction, innovative governance model, improve service functions, the construction of new cities.

Expand urban development space. Strengthen the management of strategic white space, implement total control and dynamic optimization, and leave opportunities, flexibility and space for urban development. Reasonable layout of blue

Green space, improve the urban ecological green space and corridor system, restore the natural ecology of urban mountains, water bodies, shorelines, abandoned land, etc., improve the multi-level urban park system, and create a park city. Strengthen urban design and style control, implement the new era of architecture policy of applicability, economy, green and beauty, and strengthen control of high-rise buildings. In-depth excavation of the city's cultural connotation, improve the level of protection and management of historical and cultural cities, and highlight the unique charm of the city brand, city spirit.

Strengthen the city carrier function. Optimize the layout of urban space, coordinate the use of space above and below ground, and establish a functional mix, three-dimensional development, public transport-oriented intensive and compact development model. Implement urban renewal actions, accelerate the transformation of old neighborhoods, blocks, factories and urban villages. Increase the number of green nodes and public open space, and promote the neighborhood system for new residential buildings. Improve the comprehensive urban transportation system, strengthen the construction of urban parking lots, bus stops and facilities for charging, hydrogen refueling and gas refueling. Build a sponge city, improve the system of urban flood prevention and drainage

facilities, and build an urban water circulation system. Build a resilient city, enhance the ability of public facilities and buildings to cope with natural disasters, and strengthen emergency shelter functions. Strengthen the construction of community facilities for elderly care, childcare, medical care, sports, culture and other services, and promote the full coverage of the “15-minute living circle” . Establish a financing mechanism for urban construction that is reasonable in cost, maturity, and diversity and sustainability.

Improve the level of urban governance. Insist on leading by party building, shifting the center of gravity and empowering by science and technology to promote scientific, refined and intelligent urban governance. Improve the ability of urban risk prevention and control, carry out in-depth risk investigation and management, establish a safety assessment mechanism for urban operation, draw a “city risk distribution map” , and publish a white paper on urban safety. Give full play to the leadership role of community party organizations, build a communication and deliberation platform and a platform for the diversified resolution of conflicts and disputes, and make use of online and offline means such as “Internet+construction, governance and sharing” to improve long-term community management.

Service mechanism. Promote the sinking of resources, management and services to the streets and communities, build full-time and professional community work teams, improve the refinement and precision of services in urban and rural communities, and promote the experience of grassroots management mechanisms such as "street and township whistle blowing and department reporting". Strengthen the supervision of property services, improve the coverage rate and standardization of property services, explore the collaborative governance of community committees, industry committees and property companies, and build modern communities.

Improve the housing security system. Adhere to the positioning of the house is used to live, not for speculation, to speed up the establishment of multi-body supply, multi-channel protection, rental and purchase of housing system, so that the people have a home. Adhere to the city policy, solidify the main responsibility of the city government, stabilize land prices, housing prices and expectations. Cultivate the development of housing rental market, effectively revitalize the stock of housing resources, powerful and orderly expand the supply of urban rental housing, improve long-term rental housing policy, and gradually make the rental and purchase of housing in the enjoyment of public services

with equal rights. Increase the supply of subsidized housing, and effectively solve the housing problems of difficult groups and new citizens. Separate the land plan for rental housing, explore the use of collective construction land and enterprises and institutions own idle land to build rental housing, and support the conversion of non-residential housing into subsidized rental housing. Reform and improve the housing fund system, and improve the management and operation mechanism of deposit and use.

The tenth article Focusing on reform Accelerate the construction of high-quality development institutions and mechanisms

With the courage to dare to be the first in the world, promote the comprehensive deepening of reform to achieve breakthrough, systematic and landmark results, promote a better combination of effective market and government, deep integration of reform and development, expand the supply of effective systems, and create a long-term stable and predictable institutional environment.

Chapter 35 Building a high standard market system

Improve the operating mechanism of the factor market, guide and promote the concentration of various factors to advanced productive forces, to achieve the market price of factors, the flow of independent and orderly, efficient and fair allocation. Build a unified and open factor market. Deepen market-oriented land allocation reform, improve

The policy of linking the increase and decrease of urban and rural construction land, improving the secondary market trading system for construction land, establishing a reasonable conversion mechanism for different industrial land types, and increasing the supply of land for mixed industries. Reform land planning management methods to improve flexibility and elasticity. Improve the mechanism of cross-regional trading of construction land and supplemental arable land indicators. Improve the human resources market system, effectively upgrade workers' skills, and promote orderly population mobility, reasonable distribution and social integration. Develop the technology factor market, promote market-oriented and enterprise-oriented reform of applied technology research institutes, and cultivate and grow technology transfer institutions and talent teams. Cultivate data element market, establish basic

systems and standards for property rights, transaction circulation and security protection of data resources, and build Shandong Province big data trading center at a high level. Deepen the integration and sharing of the province's public resources trading platform, and improve the efficiency and fairness of public resources allocation.

Improve the factor price formation mechanism. Sound technology, knowledge, management, data and other elements of value realization mechanism, promote the government pricing mechanism from the development of specific prices to the development of pricing rules change, improve the factor price announcement, release and dynamic monitoring and early warning mechanism, support market entities to exercise the factor pricing autonomy in accordance with the law. Deepen the feed-in tariff for coal-fired generating units, natural gas price reform, continue to promote water price reform, promote energy consumption, coal consumption, water use rights, sewage rights and other indicators, as well as various types of factors suitable for market-based allocation into the province's public resources trading directory. Encourage the cooperation between factor trading platforms and financial institutions and intermediaries to

Build a comprehensive service system covering property rights definition, price assessment, flow transactions, guarantees, insurance and other businesses. Establish a convenient, efficient and orderly exit system for market entities, and promote the superiority and inferiority of market entities and the optimal allocation of resources.

Chapter 36 stimulate the vitality of market players

We will not waver in consolidating and developing the public sector economy, encouraging, supporting and guiding the development of the non-public sector economy, and fostering more dynamic and creative market players. Strengthen and expand state-owned capital and state-owned enterprises. Promote the state-owned economy to the relationship between the state

The company will concentrate on the important industries of national security and the lifeline of the national economy, on the provision of public services, emergency capacity building and public welfare industries, on forward-looking and strategic emerging industries, and on the cultivation of first-class enterprises with global competitiveness and leading enterprises in sub-sectors. Deepen the reform of labor, personnel and distribution systems of state-owned enterprises, improve market-based salary distribution

mechanisms, and flexibly carry out various forms of medium- and long-term incentives. Improve the corporate governance structure and market-oriented operation mechanism of SOEs, give priority to supporting commercial subsidiaries to accelerate the implementation of the professional manager system, improve the tenure system of managers, explore new modes of management of SOE leaders, and implement market-oriented selection and employment mechanisms. Deepen the reform of mixed ownership system, promote the cross-holding of state-owned capital, collective capital, non-public capital, mutual integration and common development, and carry out a pilot mixed ownership enterprise operators and employees shareholding. Sound management of capital-based state-owned assets supervision system.

Enhance the innovation and creativity vitality of the private economy. Implement three-year action for the high-quality development of the private economy, improve the mechanism for promoting the transformation and upgrading of private enterprises, and strengthen the whole life cycle of services for private enterprises. Carry out the private enterprise organization and management revolution, and promote the establishment of a modern enterprise system.

Improve the policy system to support the development of small and medium-sized enterprises and individual entrepreneurs, establish public service platforms for small and medium-sized enterprises at the provincial, municipal and county levels, implement policies to alleviate hardship and benefit enterprises, improve the system of tax and fee reductions, rent reductions and interest rate reductions, take multiple measures to alleviate the financing difficulties of small and medium-sized enterprises, financing expensive problems, ensure that the support measures directly to the grassroots, and effectively reduce the operating costs of private enterprises. Sound prevention and resolution of arrears of small and medium-sized enterprises long-term mechanism.

Create a first-class entrepreneurial team. Adhere to the Party's leadership of the entrepreneurial team, vigorously promote the entrepreneurial spirit of the new era, firm ideals and beliefs, enhance patriotic feelings, assume social responsibility, strengthen the spirit of contract, and operate in compliance with the law. Establish the distinctive orientation of respecting, honoring, valuing and loving business, safeguarding the personal and property rights of entrepreneurs, the right to innovative income and business autonomy, and encouraging entrepreneurs to take root in the land of Qilu, plough the Chinese market and expand the global

market. Construct a new era of pro-clear new government-business relationship, improve the participation of entrepreneurs in decision-making mechanisms, the establishment of “Do Not Disturb” integrity management mechanism. Appoint outstanding entrepreneurs as development advisors in Shandong Province. Improve the incentive and reward system for entrepreneurs.

Chapter 37 Deepening fiscal and financial reform

Better play the modern fiscal system in the allocation of resources, financial security and macro-control and other aspects of the basic role, to guide more financial resources to key areas and weak links to focus. Promote the reform of the fiscal and taxation system. Focus on macro-control objectives, strengthen the coordination of financial resources and

Enhance the ability of financial regulation and control, and effectively improve the efficiency of the use of financial funds. Clarify financial affairs and expenditure responsibilities at all levels, rationalize the relationship between provincial and sub-provincial financial allocations, and enhance the ability to protect public services at the grassroots level. Deepen the reform of the budget management system, improve the budget performance management system, and strengthen the management of medium-term financial planning.

Accelerate the construction of financial information technology and strengthen the

Dynamic supervision. Promote the reform of the division of provincial to lower revenues and improve the incentive transfer payment system.

Deepen the reform of VAT, resource tax and other tax systems, and steadily implement the reform of moving back the collection link of consumption tax. Improve the local tax system, perfect the local tax system, and cultivate and grow local tax sources. Strengthen government debt management and keep the government leverage ratio basically stable.

Smooth the channels of financial services for the real economy. Improve the availability of financing for emerging industries, small and medium-sized enterprises and the "three rural areas", and promote a reasonable decline in comprehensive financing costs for enterprises. Optimize the structure of indirect financing, and enhance the ability of banks to serve the "top ten" modern industries and major projects. Improve the enterprise financial counselor system, build an optimal financing service platform, continue to carry out the first loan cultivation action for private small and micro enterprises, and increase support for light asset enterprise financing. Develop multi-level capital market, carry out enterprise listing cultivation action, improve the quality of listed companies, steadily expand the scale of bond financing, and strive to add more than 150 listed companies

during the "14th Five-Year Plan" period. Deepen the reform of local financial institutions such as agricultural and commercial banks and urban commercial banks, and promote the construction of provincial, municipal and county guarantee systems. Improve the supply of insurance products. Steadily develop financial technology, build the Jinan National Science and Technology Financial Reform Pilot Zone, and enhance the functions of the Jinan Regional Financial Center, Qingdao Wealth Management Center and Yantai Fund Management Service Center. Support Zaozhuang in inclusive finance, Jining in cultural finance, Zibo in industrial finance and other areas for early and pilot implementation. Support Jinan, Qingdao and Weihai to carry out digital RMB pilot.

Chapter 38 Creating a first-class business environment

Deepen the reform of the administrative system, equal protection of property rights and legitimate rights and interests of various market players in accordance with the law, to create a market-oriented, rule of law, international business environment.

Build a service-oriented government at a high level. Strengthen and improve macro-control, improve economic regulation

The government has been working on the following functions

Continuously promote the “management and service” reform, greater efforts to the market, society, grassroots decentralization, and promote the standardization, standardization and facilitation of government services. Implement the system of power and responsibility list of government departments, speed up process reengineering, and enhance the ability of cross-region, cross-sector and cross-level business collaboration. Deepen the “one network to do” “once done” “a chain for”, so that “run once” for the upper limit, “do not run” for the regular, “No need to run” as the norm, to create the simplest procedures, the least link, the lowest cost, the most efficient process. Improve the property rights protection system based on the principle of fairness, and strengthen the property rights system in the fields of data, knowledge and environment. Deepen the openness of government affairs, strengthen the supervision of public opinion, and enhance the influence of brands such as “Ask Shandong”.

Deepen the reform of institutions, promote the reform of industry associations, chambers of commerce and intermediaries. Improve the system of prior assessment and post-evaluation of major policies.

Improve the capacity of comprehensive market supervision.

Strengthen the basic status of competition policy, improve the rules of market competition, improve the effectiveness and binding force of the fair competition review system, and improve the unified and standardized, clear authority and responsibility, fair and efficient, rule of law to protect the market supervision and enforcement system. Carry out market access hidden barriers to clean up action, the full implementation of the negative market access list system. Adhere to the "law is not prohibited can be", the new industries and new business model inclusive and prudent supervision, to eliminate the "one-size-fits-all" law enforcement approach. Strengthen anti-monopoly and anti-unfair competition enforcement, prevent the disorderly expansion of capital, and promote the market reform of energy, transportation, telecommunications, public utilities and other natural monopoly industry competitive links. Deepen the "separation of licenses" reform, in the production license, project investment approval, certification matters and other areas, the widespread implementation of the commitment system, smooth the interaction mechanism of audit and management. Implementation of "double random a public" regulatory approach to enhance the effectiveness of post-event supervision. Construction of important product information traceability system, the establishment of the fight against counterfeit and shoddy business

The long term mechanism of the product.

Building integrity in Shandong. Strengthen the integrity of government, business integrity, social integrity and judicial credibility and other key areas of credit construction, accelerate the construction of the “Credit Easy” platform, improve the joint incentive for trustworthiness and joint disciplinary system for failure to trust. Improve the collection, collection, sharing and application of credit information and other local standards, and fully implement the public credit information directory and the list of disciplinary measures for breach of trust. Optimize the functions of the provincial public credit information platform, explore the establishment of credit records covering all institutions and individuals, and improve the credit repair mechanism. Increase the disclosure of credit information in areas such as financial funds, public resources, environmental protection and food and drug safety. Implementation of credit subject classification and supervision, support credit, credit rating and other credit service institutions standardized development. Create a national social credit system construction demonstration city.

Part XI

Firm Cultural Confidence
prosperity

Promote cultural

Adhere to the guiding position of Marxism in the field of ideology, lead the cultural construction with the core socialist values, strengthen the construction of socialist spiritual civilization, accelerate the creative transformation and innovative development of excellent traditional culture, and gather the powerful spiritual force for the construction of a modern and strong province in the new era.

Chapter 39 to improve the level of social civilization

Cultivate and practice the core socialist values, and promote the formation of the ideology, spirituality, civilization and behavior to meet the requirements of the new era.

Promote the normalization and institutionalization of education on ideals and beliefs. In-depth study and education of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, sound arming the whole party with the Party's theory, education

People's work system. Continuously carry out propaganda and education on socialism with Chinese characteristics and the Chinese dream, strengthen education on the history of the Party, the history of new China, the history of reform and opening up, and the history of socialist development, strengthen education on patriotism, collectivism and socialism, strengthen research and interpretation of revolutionary culture and propaganda and education, and promote the great spirit formed by the Party and the people during their struggles in various historical periods. Integrate the requirements of core socialist values into the construction of the rule of law and social governance, and reflect them in the whole process of national education, the creation of spiritual civilization and the creation and production of cultural products. Improve the mechanism of co-management of youth education on ideals and beliefs. Deepen the implementation of the Marxist theory research and construction project, and create a number of influential theoretical voice platforms. Support the construction of Jining cadres' political ethics education base and Yimeng, Jiaodong (Yantai) and Jiaodong (Weihai) party education bases. Support the construction of Yimeng cadre institute, exhaustive cadre institute, Jiaodong (Weihai) cadre institute, Jiao Yulu cadre education institute and Kong Fansen spirit party

education base. Upgrade the “lighthouse - party building online” network platform.

Improve the civilization of citizens. In-depth implementation of the new era of civic moral construction action, strengthen social morality, professional ethics, family virtue, personal character building, strengthen education guidance, practice and institutional protection. Deepen and expand the creation of mass spiritual civilization, and strengthen the ideological and moral construction of minors. Implement civilization creation project, expand the construction of new era civilization practice center, scientific standardization of civilized cities, civilized villages and towns, civilized units, civilized campuses, civilized families selection and recognition. Improve social norms such as civic conventions, township rules and regulations, student codes and group charters, and establish mechanisms to punish unethical behavior. Carry out publicity and education on the theme of creating happiness through labor, and promote the formation of a social culture of hard work, diligence and frugality. Implement traditional culture education on the ground project. Develop regulations on volunteerism, widely carry out volunteer care actions, and improve the volunteer service system. Develop positive and healthy network culture

The company has also been working to create a clear cyberspace.

Passing on the red gene. Vigorously carry forward the spirit of Yimeng forged by the intermingling of the military and the people, life and death together, and build a demonstration area for the development of red culture inheritance in Yimeng. The implementation of the revolutionary heritage protection and utilization project, the construction of Luzhong, Binhai, Jiaodong, Bohai, Lunan and Jilu Yu border area (Shandong part) and other key revolutionary sites demonstration area. Relying on the former site of the Communist Party of Shandong Provincial Committee organs and Shandong Party History Exhibition Hall, to build Shandong red culture protection heritage base. Strengthen the construction of red tourism classic scenic spots and boutique lines, promote the diversified use of red cultural resources, so that the red gene is passed on from generation to generation.

Chapter 40: Heritage and promotion of excellent culture

In-depth excavation, systematic interpretation, revitalization and utilization of the excellent traditional culture with emphasis on Confucianism, promoting the integration of traditional Chinese virtues into modern life, building the spiritual identity of the Chinese nation, and building a highland for the exchange and mutual

appreciation of world civilization.

The construction of Qufu excellent traditional culture heritage development demonstration area. Deepen the study of Confucianism, build the world Confucian Center in Nishan with global dominance, expand the influence of the China (Qufu) International Confucius Cultural Festival (Nishan World Civilization Forum), and hold sub-forums in countries and regions along the “Belt and Road” to ensure that we take the initiative in the Confucian cultural circle in East Asia and maintain a full voice in the dissemination and study of Confucianism in the world. We will always maintain the full right to speak. We will promote the planning and construction of the Nishan area at a high level, build the headquarters of the Confucius Institute, and create a cultural sanctuary for the sons and daughters of China and the Confucian cultural circle at home and abroad to trace their roots. Build a good exchange base for Chinese and foreign youth, and promote cultural exchange and mutual appreciation between China and abroad.

Prosperity and development of special culture. Build a demonstration area for the inheritance and innovation of Qi culture, promote openness and

Inclusive, innovative, business-oriented, and rule of law core connotation, build Jixia Palace — World University Forum, Qi Culture Festival and other special platforms, build Qi culture research and protection, industrial development base and cultural tourism resort. Build a demonstration area for the inheritance and development of Taishan culture, promote the core connotation of “national security”, systematically display the historical and cultural, scientific research and aesthetic value of Taishan, hold the Taishan International Cultural Forum at a high level, and build a Chinese blessing culture tourism destination. We will continue to develop the culture of Sun Yu's good governance, Sun Tzu's wisdom, Mozi's innovation and Luban's craftsmanship, diversify and develop the culture of Yellow River, canal, spring and ocean, innovate and develop industrial culture and rural culture, and enrich and develop the culture of painting and calligraphy, opera and peony. Construction of the Grand Canal, Great Wall and Yellow River National Cultural Park (Shandong section)

Strengthen the protection and utilization of cultural heritage. Actively participate in the Chinese civilization exploration project and “archaeological China” major research, promote the Dragon Mountain, Dawenkou, Langya Terrace and other major sites protection and archaeological research, the construction of the

Grand Canal Nanwang diversion hub, Daxinzhuang and other national archaeological sites park, strengthen the protection of the use of cave temples. Implementation of the global Chinese books together, the ancient books finishing project, promote the collection of cultural relics precious ancient books digital. Strengthen the protection of the Qufu area of national heritage sites, the creation of “Taishan - Qufu” national heritage conservation and utilization demonstration area. Strengthen the systematic protection of intangible cultural heritage, the construction of a national cultural and ecological reserve of Qilu. Promote the protection and rational use of famous historical and cultural cities, towns and villages, and promote the revitalization of Penglai Dengzhou ancient city, Qingzhou ancient city, Weishan Nanyang ancient town, Zhoucun ancient city. Support Jinan “spring — city culture” landscape, Qingdao old city to declare the world cultural heritage.

Chapter 41 to enhance the level of public cultural services

Adhere to the direction of serving the people, serving socialism, adhere to the hundred flowers, a hundred

Home contention policy, promote the construction of urban and rural public cultural services as one, to better protect the cultural rights of the people.

Improve the public cultural service system. Promote the common construction and sharing of public cultural facilities and resources, and improve the public cultural service system at the provincial, city, county and village levels. Innovate and implement cultural benefit projects, improve the coverage and utilization rate of public libraries, art museums, cultural centers (stations), museums, workers' cultural palaces and other facilities. Construction of major cultural venues such as Shandong Nature Museum, Tai'an Museum, Chinese Teachers Museum. Strengthen the digital construction of public culture, improve and upgrade the **“Qilu Culture Cloud” and “Qilu Art Ticket”** platforms, and create a digital **“cultural supermarket”**. Innovate the operation mechanism of public cultural services, encourage social forces to participate in the supply of public cultural services and facilities construction.

Optimize the supply of cultural products and services. Adhere to the people-centered creative orientation, take quality improvement as the lifeline of literary works, implement the Qilu literary works quality improvement project, deeply excavate

excellent traditional culture, revolutionary culture and advanced socialist culture, improve the organization mechanism of creation planning for major realistic, revolutionary and historical themes, strengthen the creation of the Yellow River culture, Grand Canal culture, rural areas, children and other themes, and continuously launch literary works reflecting the times The new weather, eulogize the people's new creation of literature and art works. Strengthen the popularization of the arts for all, and widely carry out mass cultural activities. Vigorously advocate reading for all people, enhance the "farmhouse bookstore", promote the "city bookstore", and build a "bookish Shandong". Implement the Qilu cultural talent project, cultivate high-level creative talents and virtuous masters. Accelerate the deep integration of media, strengthen the new mainstream media, build a full media communication system, build intelligent radio and television, and use the county-level integrated media center.

Chapter 42 to promote the integration of cultural and tourism development

Adhere to the social benefits in the first place, social benefits and economic benefits unified, deepen the reform of the cultural system, strengthen the construction of modern cultural industry system, highlighting the culture to shape the travel, travel to highlight the culture, build a "hospitable Shandong" as the leading cultural tourism brand system.

Vigorously develop the cultural industry. Implement a digital strategy for the cultural industry, cultivate the main body of the digital cultural industry, and accelerate the development of new cultural products, business models and consumption patterns. Vigorously cultivate new industries such as creative design, short video, IP production and operation, and games. Develop 4K/8K TV, promote the transformation of TV channels into high-definition, and improve the capability of live broadcast of ultra-high-definition TV programs. Innovate and develop traditional industries with advantages, such as press and publishing, cultural performance, and cultural product manufacturing. Promote the construction of comprehensive platforms such as the Shandong Cultural Property Exchange, develop online cultural and technological achievements trading and blockchain digital

copyright trading, and create a number of influential and representative cultural brands. Build Qufu National Cultural Industry Park and Taierzhuang Ancient City National Cultural Industry Park at a high level, support Qingzhou Zhongchen Painting and Calligraphy Art Industrial Park to create a national cultural industry demonstration park, accelerate ~~the~~ construction of China Radio and Television-Qingdao 5G High-tech Video Experiment Park, Jinan International Innovation and Design Industrial Park, Zibo Ceramic Cultural and Creative Park, Tai'an Press and Publishing Industrial Park, etc., and create a national demonstration base for the integration of culture and science and technology.

Construction of internationally renowned cultural tourism destination. Optimize the layout of the integration of cultural tourism development, enhance the creation of the landscape sage Chinese excellent traditional culture tourism belt, the fairyland coast cultural tourism belt, the Grand Canal cultural tourism belt, the Yellow River culture and green ecological tourism belt, the Great Wall of Qi cultural tourism belt, red culture tourism belt, to create a number of well-known tourism and leisure city, iconic tourism resort area. Promote "tourism + culture" "cultural tourism +", and vigorously develop the study tour

The project will be implemented in the following areas: tourism, sports tourism, exhibition tourism, industrial tourism, rural tourism, ecological recreation tourism, etc. Implement the "Hospitable Shandong – Cloud Tour Qilu" intelligent cultural tourism project to create immersive and experiential tourism scenes. Systematically improve the quality of tourism services, improve tourism infrastructure and distribution system, cultivate thematic and cultural hotels and boutique hotels, promote the tourism toilet revolution, establish a tourism service quality evaluation system, standardize online tourism business services, so that tourists can travel happily, travel with peace of mind, and travel with confidence.

Deepen the reform of the cultural system and foreign exchanges. Improve the cultural management system and production and operation mechanism, promote the reform of state-owned cultural enterprises and cultural arts institutions, and improve the corporate governance structure of public cultural institutions. Actively explore overseas cultural markets, encourage excellent traditional cultural products and digital cultural products such as film and television dramas and games to go out. High-level tourism development conference in Shandong Province, China International Cultural Tourism Expo, China Intangible Cultural Heritage Expo and other cultural and tourism festivals and events.

Build provincial-level special cultural service export base. Hold overseas “Confucius hometown of Shandong cultural trade exhibition” to create an important window for spreading Chinese culture and showcasing Chinese civilization.

Column 12: Major cultural development projects

Practicing socialist core values: (1) Yimeng Red Culture Inheritance Demonstration Area (2) New Era Civilization Practice Center (3) Research Center of Socialism Theory System with Chinese Characteristics (4) Shandong Philosophy and Social Science Leading Talents “111 Project” (5) Literary and Artistic Excellence Creation Project (6) Literary and Artistic Talents Training Project (7) National Reading Project (8) Shandong Heroes and Martyrs Memorial Park, etc.

Cultural heritage: (1) Qufu Excellent Traditional Culture Inheritance and Development Demonstration Zone (2) Nishan World Confucianism Center (3) Nishan Holy Land (4) Nishan World Civilization Forum Permanent Site (5) Confucius Institute Headquarters Experience Base (6) Qi Culture Inheritance and Innovation Demonstration Zone (7) Jixia Palace (8) Taishan Culture Protection and Inheritance

(7) Chinese Vocational Education Museum and Vocational Experience Museum (8) Shandong Nature Museum (9) Shandong Lv Opera Museum (10) Qihe Museum Group, etc.

Culture and tourism industry: (1) provincial cultural and creative industry research and development center (2) provincial rural tourism e-commerce and comprehensive service platform (3) the Yellow River Delta ecological and cultural tourism demonstration area (4) the Yellow River Delta research and study tour integration science and culture tourism demonstration base (5) Jinan International Culture and Sports Tourism City (6) Qingdao Oriental Film City (7) Zibo "a river and two banks" (8) Qi Great Wall (Yu Wang Shan) agricultural, cultural and tourism integrated development project (9) Red Lotus Wetland 5A-level scenic area

Title XII Promoting Green Development Painting a picture of green water and green mountains in Qilu

In-depth implementation of Xi Jinping ecological civilization thought, adhere to the green water and green mountains is the silver mountain concept, improve the coordination mechanism in the field of ecological civilization, promote the overall green transformation of economic and social development, and promote the harmonious coexistence of man and nature.

Chapter 43 Optimize the pattern of spatial development and protection of land

Insist on water, mountain, food, agriculture, industry, business, and promote the formation of a rational spatial layout, clear main functions, clear development orientation, standardized development order, and a development pattern that is

coordinated with population, resources and environment.

In-depth implementation of the main functional area strategy. According to the bearing capacity of resources and environment, development intensity and development potential of different regions, optimize the layout of major infrastructure, major productive forces and public resources, classify and improve the development level of urbanized areas, promote the concentration of agricultural production in functional areas of grain production, important agricultural products production protection zones and areas with advantages of special agricultural products, optimize the ecological security barrier system, and gradually form urbanized areas, main agricultural products

The three major spatial patterns of the main functional areas and ecological functional areas. Refine the division of the main functional areas, divide policy units according to the main functional positioning, and develop and implement differentiated and precise policies for key development areas, ecologically fragile areas, etc. Strengthen the coordination of spatial development, and ensure the implementation of national and provincial key development strategies on the ground.

Improve the spatial ecological governance system of the country. Establish a territorial spatial planning system, strengthen the **"three zones and three lines"** spatial control and use control. Build an ecological environment zoning control system with the ecological protection red line, environmental quality bottom line, resource utilization line and ecological environment access list as the core. Strictly implement the planning and environmental assessment system, taking the **"three lines and one list"** as an important basis for regional resource development, industrial layout and structural adjustment, urban construction, site selection and approval of major projects. Systematic protection of mountains, rivers, lakes, forests, wetlands and marine ecological resources, the construction of the ecological barrier in the mountainous areas of central Lu, the low hills of

eastern Lu, along the coastal belt, the Yellow River protection belt and the Grand Canal protection belt as the main "two screens and three belts" ecological security pattern.

Chapter 44 Accelerate the promotion of green low-carbon development

Integrate the requirements of ecological and environmental protection into the whole process of economic and social development, take carbon reduction as the overall grasp, adhere to and improve the energy consumption "double control" system, give full play to the guidance of energy conservation and environmental protection and push back the role of the concept of green production, life and consumption, so that green becomes the beautiful color of high-quality development.

Promote the formation of green production methods. Actively promote the energy production and consumption revolution, resolutely curb the "two high a capital" project blind development, significantly improve the efficiency of energy use, control the total amount of energy consumption, strengthen the total control of coal consumption, the implementation of a new round of "four reduce four

Increase¹¹ action, optimize the energy structure, industrial structure, transportation structure, agricultural input structure. The implementation of green manufacturing, energy saving, recycling development action plan, to carry out enterprise clean production leading action, the effectiveness of the award. Vigorously promote the construction of eco-industrial parks, make it an important part of the assessment of park development, and give policy support to the eco-industrial parks named at national and provincial levels. Sound comprehensive evaluation mechanism of energy consumption and output efficiency per unit. Develop and grow the environmental protection industry, promote energy-saving and low-carbon and intelligent, clean transformation of traditional industries, build new green infrastructure, cultivate a number of backbone enterprises and demonstration parks, create environmental industry clusters in Jinan, Qingdao, Zibo, etc., and support Rizhao to carry out technological transformation of natural gas chemical and hydrogen metallurgy and industrialization demonstration. Implementation of third-party management of environmental pollution, environmental stewardship and other models. Develop green finance, explore the construction of a green technology bank in Shandong Province, and support Weihai to create a national pilot zone for green financial reform and

innovation. Develop a carbon peak action plan, promote the development of peak targets for key industries such as electricity, iron and steel, building materials, non-ferrous metals and chemicals, strengthen research on low-carbon development technology pathways, carry out pilot low-carbon cities, low-carbon communities and near-zero carbon emission zones, and support Qingdao West Coast New Area to carry out pilot climate investment and financing.

Actively advocate green lifestyles. Expand the supply of green products, cultivate green consumer market, and implement the government's green procurement system. Widely carry out green life creation activities, create economical organs, green families, green schools and green communities. Promote the high-quality development of green buildings, vigorously promote green building materials and assembly-type construction, accelerate the coordinated development of intelligent construction and building industrialization, and promote the energy-saving renovation of existing residential buildings and public buildings in accordance with local conditions. Promote the construction of “waste-free city”, strengthen the whole chain of plastic pollution prevention, advocate the reduction of packaging, biodegradable packaging, and promote the full coverage of waste classification and disposal in the municipalities.

Strengthen the construction and management of urban public transportation and slow-moving systems, and encourage the public to reduce the intensity of private car use. Persevere in stopping food and beverage waste. Create a model ecological civilization area, a base for innovation in the practice of "green water and green mountains are the silver mountain", and a model city for environmental protection.

Comprehensively improve the efficiency of resource utilization. Adhere to the water-determined city, water-determined land, water-determined people, water-determined production, the implementation of national water conservation action, scientific formulation of water quotas and dynamic adjustment, strengthen the rigid constraints on water resources, strict double control of total water consumption and intensity, support Jinan, Qingdao and other cities to create a national model of water conservation, the new old dynamic energy conversion start-up area to become a model of water conservation leading area.

Deepen the comprehensive reform of agricultural water prices, supporting the construction of metering facilities, and improve the incentive mechanism for agricultural water conservation. Deepen the industrial enterprise "mu yield efficiency" evaluation, revitalize the idle inefficient land. Promote the application of new coal-water slurry

technology and boiler equipment, and promote the clean and efficient use of coal. Improve the level of safe disposal and comprehensive utilization of sludge, construction of independent incineration and disposal of sludge projects, the province's urban sludge harmless disposal rate of 90% in 2025. Build recycling system for waste materials, the implementation of online and offline integration of recycling mode and production enterprises “reverse recycling” model, standardize the development of remanufacturing industry, and promote the reduction of solid waste, harmless and resourceful use. Develop green mining industry, build green mines, increase mineral resources exploration, and ensure the security of strategic mineral resources supply. Build a world-class gold industry base in Jiaodong.

Chapter 45 Deeply fight the battle of pollution prevention and control

To improve the quality of the environment as the core, the implementation of accurate pollution, scientific pollution, pollution, according to the law, deepen the blue sky, blue water, clean soil defense war, promote regional pollutant emissions and ecological expansion, increase the supply of high-quality ecological and environmental products.

Continuously improve air quality. Coordinate the prevention and control of air pollution and respond to climate change, implement differentiated control, steadily improve the ratio of good air quality days, and basically eliminate heavy pollution weather. Scientific implementation of PM_{2.5} and ozone synergistic control, promote nitrogen oxides and volatile organic compounds synergistic management. Strictly implement the joint prevention and control of air pollution in Beijing, Tianjin, Hebei and surrounding areas and the junction of Jiangsu, Anhui, Lu and Yu, the implementation of heavy pollution emergency linkage, focus on key regions, industries, enterprises and time pollution prevention and control, the complete phase-out of coal-fired boilers below 35 steam tons / hour. Strengthen the comprehensive prevention and control of mobile pollution sources, the use and sale of poor-quality diesel leads traceable to non-compliant production enterprises, the production and processing of non-standard oil companies to impose severe penalties. Strengthen construction sites, industrial enterprises yard yard, port terminals and open-pit mine dust remediation.

Promote water ecology and environmental management.

Strengthen the river and lake system, coordinate water resources, water ecology, water environment, the implementation of comprehensive

improvement of river and lake systems, in-depth pollution reduction and artificial wetland construction, to create beautiful rivers and lakes. Strengthen the prevention and control of pollution along the South-North Water Transfer Project, carry out retrospective remediation of outfalls into rivers and lakes, and coordinate the treatment of fixed sources, domestic sources, agricultural sources and mobile sources. Strengthen the prevention of industrial water pollution and the use of recycled water, the province's cities and counties in 2025 to reach 50% utilization rate of recycled water. Improve urban sewage collection and treatment facilities and supporting pipeline network, and further promote the transformation of urban rain and sewage diversion, the province's basic elimination of poor V national control section in 2025, the full elimination of urban black smelly water bodies. Carry out monitoring and investigation of the basic environmental conditions of groundwater around key pollution sources, promote comprehensive management of key areas such as groundwater overdraft and seawater intrusion, and strengthen the standardization of drinking water sources to ensure the safety of drinking water.

Strengthen the comprehensive management of soil. Continued implementation of the soil pollution prevention and control action plan, strengthen source control, strict safety of agricultural land use

and construction land risk prevention and control. Sound soil

Environmental monitoring system, to achieve full coverage of soil environmental quality monitoring points county (city, district). Carry out solid waste, hazardous waste, medical waste centralized collection and storage, and crack down on illegal collection and transportation, transfer, dumping, treatment and disposal. Implementation of water conservation, weight loss, drug control as one to promote, comprehensive management projects, promote the reduction of chemical fertilizers and pesticides and soil improvement and restoration, strengthen the treatment of agricultural film pollution, effective control of agricultural surface pollution.

Chapter 46 Systematic restoration and protection of natural ecology

Adhere to the priority of protection and natural restoration, build ecological corridors and biodiversity protection networks, enhance the ability of ecosystems to repair themselves, and improve the quality and stability of ecosystems.

Strengthen the ecological protection area management and care. The ecological function is very important areas, ecological environment is very sensitive and fragile areas into ecological protection red line, improve the ecological red line monitoring and evaluation assessment system, to ensure that the ecological protection red line area will not be reduced, the function will not be

reduced, the nature will not change. The introduction of nature reserves regulations, improve the “classification of settings, hierarchical management, zoning control” nature reserves management system, integration and optimization of various types of nature reserves, the formation of national parks as the main body, nature reserves as the basis, all kinds of nature parks as a supplement, the layout of a reasonable, functional nature reserve system. Improve ecological protection and restoration land and sea policies, and continue to carry out “Green Shield” nature reserves to strengthen supervision work.

Build a community of life in mountains, water, forests, fields, lakes and grass. Strengthen the construction of ecological corridors such as the Yellow River, the Grand Canal and the coastline, and promote the protection and restoration of key ecological areas such as Mount Tai, Mount Yimeng, Mount Kunbe, Dongping Lake and Nansi Lake. Scientifically determine the ecological flow of rivers and lakes, protect the basic ecological water of rivers and lakes, and improve the water quality and ecological environment of rivers and lakes. Strengthen river and lake basins, offshore wet

Restoration of land and other restoration, to promote a steady increase in the area of wetlands. Strengthen the comprehensive management of soil erosion, and promote the construction of ecologically clean small watersheds. Improve the long forestry system, carry out “green full of qilu — beautiful shandong” national greening action, strengthen the construction of farmland protection forest network. Promote the restoration of abandoned open-pit mines and comprehensive management of coal mining sinkholes, and complete the pilot comprehensive land improvement in the whole area. Strengthen biodiversity protection, build biodiversity database, information platform and gene bank of germplasm resources, carry out rescue protection of endangered wild animals and plants, and improve monitoring and early warning system of invasive alien species. By 2025, the province's wetland protection rate will reach more than 60%, and the soil and water conservation rate will reach more than 85%.

Chapter 47 sound ecological civilization system

Build a modern environmental governance system, increase market-oriented, rule of law governance, the formation of a clear guidance, strong implementation, effective incentives, multi-participation, benign interaction and coordination mechanism.

Sound natural resource property rights system. Establish a

clear attribution, clear rights and responsibilities, strict protection, smooth flow, effective supervision of natural resources assets property rights system. Study the establishment of the province's natural resources assets accounting and evaluation system, the preparation of natural resources assets and liabilities, and basically complete the unified registration of natural resources rights in key areas. Increase the key ecological function areas, important water sources, nature reserves and other transfer payments, and encourage all kinds of social capital to participate in ecological protection and restoration. Innovate the mechanism for realizing the value of ecological products, and improve the system of paid use of state-owned forest resources. Establish an ecological compensation system for the quality of marine ecological environment.

Sound ecological environment of natural resources comprehensive supervision system. Establish a province-wide ecological and environmental monitoring network, build a national (Jinan) ecological and environmental data platform, and establish a sound "sky

The natural resources problem discovery mechanism of "see on the top, check on the ground, manage online, and report to the public", and strengthen the natural resources inspection. Promote the construction of "Real 3D Shandong", forming a multi-source, multi-temporal, multi-scale spatio-temporal information "one map" covering the province's land area and offshore, above and below ground. The establishment of the atmosphere, water and other ecological and environmental monitoring information unified release mechanism, enhance the meteorological, earthquake and other monitoring and prediction and early warning, disaster risk prevention and service capabilities, and actively carry out artificially influenced weather operations. Strictly prevent and control heavy metals, toxic and harmful chemical substances, nuclear and radiation and other key areas of environmental risk, and complete the relocation and transformation of hazardous chemical production enterprises in key areas. Strengthen the prevention and control of noise pollution, the implementation of noise source management. Strengthen joint prevention and control of pollution, and deepen cross-regional cooperation in environmental monitoring, environmental law enforcement, and emergency response to regional environmental incidents. Improve the comprehensive administrative law enforcement mechanism for ecological environmental protection.

Strengthen ecological and environmental accountability. Accelerate the construction of "strict prevention at the source, strict control of the process, and strict punishment of the consequences" of the environmental regulatory system, and improve the working mechanism of the ecological environment committee at the provincial, municipal and county levels. Implement the ecological environmental protection responsibility list system, strengthen the ecological environmental protection responsibility assessment, improve the long-term mechanism of ecological environmental protection inspectors, and improve the accountability mechanism for damage to natural resources. Promote local legislation on ecological and environmental damage compensation, improve the compensation consultation mechanism, strengthen the system of corporate responsibility for environmental governance, fully implement the sewage permit system, and promote corporate self-certification and compliance with the law. Implement mandatory environmental pollution insurance in high-risk industries. Establish an enterprise environmental credit evaluation system, and implement graded and classified supervision based on the evaluation results. Strengthen legal supervision in the field of ecological and environmental protection, and enhance social supervision.

Police monitoring system pilot (2) the implementation of non-electric industries ultra-low emission transformation project, the completion of cement, coking, electrolytic aluminum industry ultra-low emission transformation (3) the complete phase-out of coal-fired boilers below 35 steam tons / hour (4) the full completion of clean heating renovation project, etc.

The Battle of Blue Water: (1) Implementing the traceability and improvement project of the outfalls into rivers and lakes (2) Building and upgrading about 300 artificial wetlands (3) Completing the survey of the province's water ecological base and the survey and assessment of the improvement of water ecological quality in the "14th Five-Year Plan" (4) Implementing the monitoring and traceability project of the outfalls into the sea and comprehensive improvement project (5) Carrying out the monitoring and assessment of the ecological environment of Laizhou Bay (5) carry out spatial environmental monitoring and assessment of the ecological environment grid.

Pure soil defense war: (1) the construction of the province's soil pollution risk control and remediation pilot project (2) the province's 264 tailings ponds for safety assessment, classification and development of risk control and upgrading engineering program (3) the construction of national groundwater pollution risk control and remediation pilot project, selected typical key "dual sources" to carry out the risk of groundwater pollution Control and remediation, etc.

Construction of the "integration of heaven and earth" ecological and environmental monitoring system: (1) the construction of atmospheric environmental monitoring network (2) the construction of water environmental monitoring network (3) the construction of soil environmental monitoring network (4) the construction of nuclear and radiation monitoring network.

Construction of ecological environment intelligent supervision platform: (1) the construction of the province's mobile source pollution prevention and control supervision platform (2) the construction of solid (hazardous) waste intelligent supervision platform (3) the construction of "three lines and a single" assessment and update platform (4) the construction of ecological environment comprehensive law enforcement supervision platform (5) the construction of ecological environment publicity and education platform.

Construction of ecological and environmental risk prevention and early warning system: (1) construction of a comprehensive management platform for environmental risk warning in chemical parks (2) construction of an emergency

response platform for nuclear and radiation accidents, etc.

Part XIII Comprehensively expand high-level opening Create a new high ground for opening up to the outside world

Proactively integrate and serve the overall situation of the country's opening up to the outside world, accelerate the construction of a new system of a higher level of open economy, enhance the ability to gather and allocate global resources, and form new advantages in international cooperation and competition.

Chapter 48 optimization of the full range of open layout

Give full play to the location, industry, transportation and other comprehensive advantages, into the international industrial chain, supply chain, innovation chain, accelerate the formation of land and sea inside and outside the linkage, the east and west two-way mutual benefit of the new system of opening.

Actively integrate into the "One Belt, One Road" high-quality development. Actively dovetail with the Regional Comprehensive Economic Partnership (RCEP), deepen cooperation and accelerate breakthroughs in areas such as trade in goods, trade in services, rules of origin, investment, intellectual property rights, economic and technical cooperation, and build an early zone for local economic and trade cooperation under the RCEP agreement. Deepen international production capacity cooperation with countries and regions along the route, make major projects in the fields of engineering contracting, energy resources, marine economy, ecological and environmental protection, and construct a mutually beneficial supply chain cooperation system. The construction of the Silk Road high-tech park alliance, improve the level of construction of overseas parks such as China-Europe Trade and Logistics Park, China Sudan Agricultural Cooperation Development Zone, Qilu (Cambodia) Special Economic Zone, Dayin Textile Malaysia Industrial Park. Smooth international trade and logistics channels, planning and construction of "Qilu No." China-European train consolidation center. Actively develop silk road e-commerce and expand the influence of overseas Linyi Mall. Deepen public health, science and technology education and cultural

exchanges, and cooperate to build the Silk Road of Health and Silk Road of Innovation. Build Linyi and Jiaozhou "One Belt, One Road" provincial-level integrated pilot zones at a high level.

Innovate and expand local cooperation with the EU and North America. Seize the opportunity to complete negotiations on the China-EU investment agreement, enhance the level of cooperation with developed countries in the EU, further deepen system-based opening in areas such as market access commitments, fair competition rules, sustainable development and dispute settlement, and accelerate integration into the investment cycle spanning the east and west ends of the Eurasian continent. Focus on key areas such as high-end equipment, new energy vehicles, green low-carbon, etc., develop a directory of industrial chain innovation chain attraction, and deepen cooperation with Germany, France, Italy and other countries. Enhance the construction level of Qingdao Sino-German Ecological Park and Sino-German (Jinan) Small and Medium Enterprise Cooperation Zone, and introduce high-quality enterprises of Industry 4.0 and "invisible champions" of small and medium enterprises. Expand cooperation with Nordic countries in the fields of offshore equipment, life science, energy development, ecological protection, etc. Construction in Central and Eastern

European countries

Overseas economic and trade cooperation parks to promote production capacity, investment and technology to go out. Closely follow the scientific and technological innovation and industrial layout of U.S. multinational corporations, promote exchanges and cooperation with U.S. localities and enterprises, and expand the point of convergence of interests and complementary advantages.

Chapter 49: Building a demonstration zone for local economic and trade cooperation between China, Japan and Korea

The company has taken advantage of its geographical proximity, cultural ties and industrial integration with Japan and South Korea to innovate and deepen cooperation among local governments and key enterprises to build an active growth pole in Northeast Asia.

Create an important destination for Japanese and Korean investment. Focus on high-end equipment, a new generation of information technology, modern marine and other advanced manufacturing industries and finance, industrial design, health care, economic and trade logistics and other modern service industries, to attract key Japanese and Korean enterprises to settle in Shandong. Encourage Japanese and Korean enterprises to set up procurement

centers, marketing centers and operation centers, and build trade and logistics headquarters. High-level construction of China-Japan (Qingdao) Local Development Cooperation Demonstration Zone, China-Korea (Weihai) Local Economic Cooperation Demonstration Zone, Weifang (Zhucheng) China-Japan-Korea Local Economic Cooperation Demonstration Zone, China-Japan-Korea (Rizhao) International Industrial Park, and deepening cooperation between China-Korea (Yantai) Industrial Park and Korea's New Manjin Industrial Park. Strengthen the "China-Japan-Korea +X" market cooperation, joint Japanese and Korean enterprises, chambers of commerce, financial institutions, and jointly develop the market in Southeast Asia, "One Belt and One Road" countries and regions along the market.

Innovate the mechanism of local cooperation between China, Japan and Korea. Expand the financial opening to Japan and South Korea in an orderly manner, explore the development of cross-border RMB loans and debt issuance, capital project income settlement and payment facilitation, and support Qingdao to build a regional settlement center for Japanese yen and Korean won. Deepen the cooperation of East Asia Port Alliance, promote the "multi-port linkage" between the provincial seaports and airports and major ports in Japan and South Korea, implement

the China-Korea railroad ferry plan, support the pilot of China-Korea land-sea intermodal transportation of whole vehicles in Weihai, and encrypt the

With Japan and South Korea air and sea flight routes, the construction of the country's best service to Japan and South Korea, the highest efficiency, the lowest cost logistics network and service system. Support Qingdao to build China-Japan-Korea consumer zone, support Yantai to build a new highland of open cooperation with Japan and Korea, support Jining, Dongying, Rizhao and other cities to open air ports. Organize “Dialogue Kansai”, “Japan-Korea Shandong Business Week”, China-Japan-Korea Industry Expo and Japan and Korea Import Expo and other major economic and trade events, and support the East Asia Expo to become an important national import expo in the northern region of China.

Chapter 50 Building a high-capacity open platform

Build a strategic and leading open platform to participate in international cooperation, form more innovative, differentiated and integrated system innovations, and strengthen high-level open carrier support.

Build China (Shandong) Pilot Free Trade Zone with high standard. Implement the strategy of upgrading the Pilot Free Trade Zone, plan and implement the Version 2.0 of the Pilot Free Trade Zone, and promote the linkage and special development of Jinan, Qingdao and Yantai areas. Further enhance the level of

liberalization of trade, investment, cross-border capital flow, transportation, and personnel entry and exit facilitation. Develop working guidelines for market access in advanced manufacturing and modern service industries in the Pilot Free Trade Zone and improve the operability of the negative list. Establish rules and standards for frontier emerging market access and ex post facto management, and give each zone new financial, trade and technology management functions such as financial technology, supply chain finance, digital economy and block chain. Promote the construction of Shandong International Commodity Exchange Market in Qingdao Area. Support the construction of a linked innovation zone in the pilot free trade zone in cities with conditions.

Build China - SCO local economic and trade cooperation demonstration zones with high quality. Deepen cooperation with SCO countries in energy resources, infrastructure, production capacity and equipment manufacturing, dry farming, etc., and build regional logistics centers, modern trade centers, two-way investment cooperation centers

It is also a center for business, tourism and cultural exchange and development, a new platform for international cooperation along the Belt and Road, **and a "sea port" for the** SCO countries to the Asia-Pacific market. Build the International Oil and Gas Trading Center of Northern China and promote the opening up of the whole oil and gas industry chain. Build a multimodal transportation center in the SCO demonstration zone. Build the China-SEC Economic and Trade Institute and establish the SCO Tourism City Alliance. Compile and publish China's trade index with SCO countries, and hold high-level investment and trade fairs in SCO countries.

Build an international park at a high level. Implement global precise investment attraction and talent attraction. Promote the construction of Jinan-Qingdao International Investment Park, focus on the world's top 500 enterprises and industry chain engine projects, implement **"standard land"** investment, and cultivate international first-class industrial clusters. Deepen the reform and innovation of the institutional mechanism of the development zone, support the development zone to adopt the mode of **"one zone with multiple parks" and "park in a zone"**, and build international industrial parks with developed country parks and multinational companies. Promote the upgrading of comprehensive bonded zones,

support Zibo to build an international land port in Luzhong, support Longkou to build a comprehensive bonded zone based on the Yulong Island refining and chemical integration project, support Heze, Xintai Economic and Technological Development Zone and other upgraded to national development zones, and strive to achieve full coverage of the 16 national high-tech zones. Encourage the return of overseas mergers and acquisitions to build industrial parks, and support the return investment of overseas mergers and acquisitions projects.

Create an open brand with international influence. Actively serve the overall national diplomacy and development strategy, and build a series of open platforms with world standard, Chinese style and Shandong style. Enhance the international influence of Qingdao Summit of Multinational Leaders, Confucian Business Conference, Qingdao Forum of East Asia Marine Cooperation Platform, etc., organize China (Yantai) International Equipment Manufacturing Expo, China (Dongying) International Petroleum and Petrochemical Equipment and Technology Exhibition, China (Shouguang) International Vegetable Science and Technology Expo, China (Linyi) Commodity Expo, and play the role of Nishan

The World Civilization Forum, the International Forum on Ecological Protection and High-Quality Development of the Yellow River Basin, the Heze World Peony Conference and the brands of Qingdao Beer Festival, Weifang Kite Festival and Taishan International Mountaineering Festival. Strive for more national platforms and international organizations to set up branches in Lu. Support cities to build regional open brands.

Chapter 51 to enhance the level of international economic and trade cooperation

Coordinate the coordinated development of imports and exports, goods and services, trade and investment, facilities and networks, and promote the deep integration of international and domestic markets, efficient allocation of resources and orderly flow of factors.

Optimize trade structure. Adhering to the best inbound and outbound, relying on the large domestic market, increase the import of high-quality products, encourage the import of key technology equipment, energy resources, high-quality consumer goods, in the field of high-end manufacturing to enhance the industrial chain supply chain aggregation, to better meet the industrial transformation, consumer upgrading. Implementation of quality and market diversification strategy, enhance the proportion

of high-tech products and large sets of equipment exports, enhance the competitiveness of exports of biotechnology, energy conservation and environmental protection, a new generation of information technology products, consolidate the export advantages of mechanical and electrical products, textiles and garments, agricultural products, and steadily increase the added value of exports. Deepen the construction of trade promotion platforms and international marketing service networks, and build national bases for digital services, Chinese medicine services and cultural exports. Support enterprises to benchmark with international standards and strive for more high-end products to be included in the international procurement system. Build a national import trade promotion innovation demonstration zone in Qingdao West Coast New Area at a high level. Comprehensively deepen the pilot of innovative development of trade in services in Jinan, Qingdao and Weihai.

Promote the innovative development of trade and investment.

Deepen scientific and technological innovation, institutional innovation and model innovation in the field of trade, and accelerate the development of cross-border e-commerce, market procurement trade, foreign trade integrated services, etc.

New business model. Promote the digitization of trade, build a high-level China service outsourcing demonstration city, create a digital service export base, and encourage enterprises to transform into digital service and integrated service providers. Support enterprises to carry out cloud display, cloud negotiation and cloud contracting, and enhance digital marketing capabilities. Amplify the effect of market procurement trade pilot policies in Linyi International Mall, Qingdao Jimo International Trade City and Yantai Three Stations Wholesale Market, and support eligible foreign trade industry clusters to apply for the construction of national foreign trade transformation and upgrading bases. Support enterprises to go out and expand their development space, innovate overseas investment methods, and improve the risk prevention ability and income level of overseas investment. Expand the scale of **"Lu Trade Loan"** and **"Enterprise Finance Insurance"**, and increase the support of export credit insurance to enterprises.

Promote a higher level of system-based opening. Fully align with international standards and rules, strengthen the **"trinity"** of policies, rules and standards, implement the management system of pre-entry national treatment plus negative list for foreign investment, improve the foreign investment promotion and service

system, and promote trade and investment liberalization and facilitation. In accordance with national regulations, further liberalize market access in the fields of finance, telecommunications, education, healthcare, culture, etc., promote the universal implementation of “no-entry”, and explore the market access commitment to enter the system. Implement the systems of foreign investment security review, anti-monopoly review, and technical safety list management. Build international arbitration service platform, establish and improve mediation mechanism, improve diversified commercial dispute resolution mechanism, improve international trade friction early warning mechanism and legal service mechanism, and improve overseas risk prevention system.

International Cooperation Industrial Park (12) Weihai China-Korea Free Trade Zone Local Economic Cooperation Demonstration Zone (13) China-Korea (Rizhao) Automobile Industrial Park (14) Linyi "Business Valley" (15) China-Europe (Binzhou) Recycling Technology Industrial Park, etc.

Key projects for opening up to the outside world: (1) Korea and Japan Import Expo (2) Jinan, Zibo, Jining and Linyi International Inland Port (3) Qingdao Airport Comprehensive Free Trade Zone (4) Qingdao Port Sea-Transportation Upgrade Project (5) Zibo Comprehensive Free Trade Zone (6) North China International Oil and Gas Trading Center (7) Qingdao Port Zaozhuang Inland Port (8) Zaozhuang Lingang Industrial Park Bonded Logistics Center (9) Dongying Comprehensive Free Trade Zone (10) Weihai and Incheon "four-port linkage" project (11) Jining Bonded Logistics Center (B-type) (12) Wajir Railway to the sea project (13) Rizhao Zhongsheng Bonded Logistics Center (14) Yisheng to the sea project (15) logistics and freight channel between Lu and Yu (16) Lubei Leling Bonded Logistics Center

Part XIV Accelerate the construction of infrastructure Build a solid support for high-quality development

To better promote regional coordination, industrial upgrading, people's livelihood improvement as the goal, adhere to the direction of intelligence, network, modernization, smooth and efficient connection, improve service functions, build a complete system, efficient and practical, intelligent, green, safe and reliable modern infrastructure system.

Chapter 52 Construction of comprehensive three-dimensional transportation network

Advance planning and layout of key traffic nodes and trunk lines, smooth integrated traffic channels inside and outside the

province, improve the level of infrastructure wisdom and green, and promote the integrated development of the province's transportation network.

Build interconnected comprehensive transportation channels. Docking national comprehensive transportation layout, coordinate railroad, aviation, highway, waterway, urban rail and other transportation modes, improve the northern

Coastal, Jinan-Qingdao, Luzhong, Lunan and other east-west channel function, improve the eastern coast, Beijing-Shanghai auxiliary, Binlin, Beijing-Shanghai, Beijing-Kowloon and other north-south channel effectiveness, to create land and sea coordination, air-ground linkage, full capacity of the "four horizontal and five vertical" comprehensive transport channel. Optimize the multi-point linkage, regional drive, interconnection and interaction of the "2 + 4 + N" integrated transport hub layout, continue to improve the international service function of Jinan, Qingdao hub and Yantai, Weifang, Linyi, Heze hub national service function, cultivate a number of regional integrated transport hubs, enhance the hub industry agglomeration radiation capacity.

Create a high-quality high-speed rail transportation network. With the goal of "city to city high speed railway", promote the "four networks integration" of trunk railroad, intercity railroad, municipal (suburban) railroad and urban rail transit. Implement the main line railroad through project, construction of the Lunan high-speed railway, Beijing-Shanghai high-speed railway auxiliary channel Shandong section, Xiongshang high-speed railway Shandong section and other high-speed railroad projects, open up the main arteries. Improve the freight railroad network, tap the existing freight railroad transport

capacity, speed up the construction of the Dailailong expansion and renovation project, unblock the bottleneck section of the road network, improve the port-clearing type, park-type feeder railroads, and open up the "last kilometer" of railroad transport. Study the preparation of a new round of intercity railroad construction planning for the Shandong Peninsula city group, a reasonable layout of intercity railroad lines and sites, give full play to the potential of existing railroads, and promote Jinan, Qingdao and other cities to run suburban (suburban) trains. Jinan, Qingdao urban rail transit planning and construction projects in an orderly manner. By 2025, the mileage of high-speed railroad operation will reach 4400 km.

Weave a dense network of highways. Promote the highway, ordinary state and provincial roads, county and rural roads and other multi-level highway network quality development, speed up the highway expansion and transformation, road encryption, inter-provincial connection and regional linkage project construction, optimize the main channel within the highway network layout, improve the effectiveness of the connection and access level. The implementation of ordinary national and provincial highways grade

The project will further strengthen the connection with train (high-speed rail) stations, airports, ports, logistics parks and other hubs. By 2025, the mileage of highways will reach about 10,000 km.

Construct a modern airport group. Coordinate the layout and construction of civil transport airports and general-purpose airports, and improve the integration and collaboration mechanism of the Shandong airport cluster. Support Jinan Airport and Qingdao Airport to build an international hub airport, Yantai Airport to build a regional hub airport for Northeast Asia. New construction of Zaozhuang and Liaocheng airports, the implementation of Weifang, Jining, Weihai airport relocation project. Actively open up international and domestic routes, enhance the global fast access capacity, and build an important international air port and aviation logistics center in the Yellow River Basin. By 2025, the formation of “three hubs and nine branches” civil transport airport pattern. Accelerate the construction of general aviation airports to build a general aviation network to serve agriculture and forestry operations, aviation manufacturing, flight training, emergency rescue and short-distance transport. Deepen the reform of low-altitude airspace management, and create a national comprehensive demonstration zone of general aviation industry.

Build a smart transportation service system. Promote the

digitization, networking and intelligence of transportation, and accelerate the integration and development of transportation infrastructure network, transportation service network and information network. Widely apply traffic infrastructure self-awareness technology, 5G, vehicle networking and other new technologies, systematically improve the "human, vehicle, road, cloud" integration and collaboration capabilities, and support the application of driverless scenarios. Accelerate the integration and sharing of comprehensive transportation data resources and open applications, support the construction of big data application platforms for intelligent transportation in key cities, and build a national first-class comprehensive intelligent driving and intelligent transportation innovation test and demonstration base. Promote intelligent high-speed rail, intelligent high-speed, intelligent airport, intelligent port planning and construction, carry out Jinan East Station, Jinan Yaowang Airport, Qingdao Jiaodong Airport and other management services intelligent pilot project.

Column 15: Major transportation infrastructure projects

Rail transit: construction of (1) Lunan high-speed railroad Qufu to Heze to Lankao section (2) Jinan to Laiwu railroad (3) Jinan-Zheng high-speed railroad Shandong section (4) Jinan hub of Jiaoji railroad to Jinan-Qingdao high-speed railway liaison line (Huangtai liaison line) (5) Weifang to Yantai railroad (6) Laixi to Rongcheng railroad (7) Jinan to Zaozhuang railroad (8) Beijing-Shanghai high-speed railway auxiliary channel Shandong section (9) Xiongshang high-speed railway Shandong section (10) Jinan to Binzhou railroad (11) Qingdao to Beijing-Shanghai high-speed railway auxiliary channel railroad (12) Texas to Shanghe railroad (13) Jinan city rail transit phase II project. Strive to plan and build (14) Qingdao urban rail transit phase III project (15) Binzhou (Dongying) to Zibo to Laiwu to Linyi Railway (16) Liaocheng to Tai'an to Laiwu to Beijing-Shanghai high-speed railway auxiliary channel railroad (17) Qingdao to Pingdu to Laizhou Railway (18) Qingdao to Rizhao Railway (19) Jimo to Haiyang Railway (20) Rizhao to Beijing-Shanghai high-speed railway auxiliary channel railroad (21) Jinan to Jining Railway (22) Taocun to Weihai local railroad electrification project and other municipal (suburban) railroads (23) Zaozhuang to Xinyi (Xuzhou) Railway (24) Changzhi to Handan to Liaocheng Railway (25) He Xu High-speed Railway, etc.

Freight, port railroads: (1) Shuifa International Logistics railroad line (2) Dongjiakou to Weifang railroad line (3) Yanmar Dongping land port special line (4) Dongjiakou to Yishui West railroad (5) Yantai Port Zhifu Bay port area connection Zhu Yan line (6) Yantai Port Longkou port area into the port of the second phase of the railroad line (7) Rizhao Port Shizu Port South coal into the port of the railroad line (8) Lanshan dredging railroad project (9) Ping Lan railroad expansion and transformation project (10) Linyi Lingang dredging railroad (11) Linyi Shandong Gateway International Logistics railroad line (12) Shanguang Lingang Railway Logistics Park branch line Yongfeng special line (13) Linyi Baodao railroad logistics special line (14) Lanling County Jinshi construction railroad dedicated line (15) Shandong Rutong railroad freight line (16) Heze Guangyuan land port railroad dedicated line (17) Yuncheng to Juno railroad, etc.

Expressway: Promote the construction of (1) Beijing-Taizhou Expressway Tai'an to Zaozhuang (Lu-Su border) section of the expansion (2) Rizhao to Lankao Expressway Juye West to Heze section of the expansion (3) Beijing-Taizhou Expressway Dezhou to Qihe section of the expansion (4) Dongliang Expressway Dongjiakou to Shenhai Expressway section (5) Xintai to Taierzhuang (Lu-Su border) highway Taierzhuang Malantun to Lu-Su border section (6) Puyang to Yangxin

Expressway Heze section (7) Jinan to Weishan high-speed Jining new airport to Zao He high-speed section

(8) Jinan to Gaoqing (9) Zhanhua to Linzi (10) Jinan to Weifang (11) Weifang to Qingdao highway and link (12) Jinan around the city high-speed second ring road west ring section (13) Linzi to Linyi (14) Rizhao Lanshan port dredging high-speed (15) Mingcun to Dongjiakou (16) Jinan bypass high speed second ring road north ring section (17) Tai'an to Dongping (18) Linyi to Tengzhou (19) Yuncheng to Jancheng (20) Zoucheng to Jining (21) Changshen high speed Dongying to Qingzhou section expansion

(22) Beijing-Taiwan Expressway Qihe to Jinan section expansion (23) Beijing-Taiwan Expressway Jinan to Tai'an section expansion

(24) Jinan Bypass Expressway Jinan Airport to small Xujia section hub expansion

(25) Jinan Bypass Expressway small Xujia hub to Ganggou section expansion (26)

Jigang Expressway Jinan to Juno section expansion (27) Jinan to Weishan Expressway Jinan to Jining new airport section (28) Xumin Expressway Shanxian to Cao County section (29) Dezhou to Gaotang (30) Linyi to Wucheng

(31) Gaoqing to Shanghe (32) Rongwu Expressway Weihai Wendeng District to Shuangdao Bay Science and Technology City (33) Jining to Shangqiu Expressway Jining Section (34) Jining to Shangqiu Expressway Heze Section (35) Dong'a to

Yanggu (36) Dong'a to Yuncheng (37) Weifang Port Dredging Expressway (38)

Jingtai Expressway to Xintai Expressway Taierzhuang Connection (39) Zhangqiu to Qingyun (40) Weifang to Zoucheng (41) Jinan (42) De on the high speed Linqing connection (43) Jinan to Ningjin (44) Linyi to Donghai (45) Jinan to Dong'a (46)

Jining airport to Zoucheng (47) Rongwu high-speed Weihai to Yanhai high

(48) Jinan Bypass Expressway Ganggou Interchange to Yinjialin Junction section expansion (48) Shenhai Expressway two cities to Fenshui section expansion (50) Qinglan Expressway Shuangbu to Hetao section widening and reconstruction (51) Qinglan Expressway Hetao to Huangdao section widening and reconstruction (52) Shenhai Expressway Nancun to Qingdao Rizhao boundary section widening and reconstruction, etc.

Civil aviation: completion of (1) Jinan Yaowang International Airport Phase II expansion project (2) the new Zaozhuang Airport project (3) Yantai Penglai International Airport Phase II project (4) Weihai Airport relocation project (5) Weifang Airport relocation project (6) Jining airport relocation project (7) Rizhao airport expansion project (8) Linyi airport terminal expansion project (9) the new Liaocheng airport project. Research layout (10) Zibo Airport (11) Tai'an Airport (12) Binzhou Airport. Built (13) Jinan Shanghe General Airport (14) Qingdao Jimo General Airport (15) Qingdao Laixi General Airport (16) Zaozhuang Tengzhou General Airport (17) Zaozhuang Taierzhuang General Airport (18) Yantai Penglai General Airport (19) Yantai Qixia General Airport (20) Tai'an Feedback General Airport (21) Weihai Rongcheng General

Chapter 53 to build a green and efficient energy system

According to the requirements of "three 1/3" energy structure adjustment of new energy and renewable energy, coal power and foreign power into Lu by 2035, we will coordinate energy production and consumption, and build a modern energy system that is clean, low-carbon, safe and efficient.

Strengthen the security of energy supply. Stabilize the province's energy production, the implementation of reduced substitution, the steady development of large and efficient clean coal power. Continuously increase the exploration and

development of the Shengli oil field, and promote the increase in storage and stable production of oil and gas resources. Optimize the layout of the development of energy bases outside the province, promote the landing of oil and gas resources in the Bohai Sea in the province, and actively participate in the procurement of overseas resources. Strengthen the construction of emergency energy security facilities, lay out a number of provincial coal reserve bases in coal consumption centers, railroad transportation hubs and major transit ports, improve oil and gas storage and transportation networks, and promote the construction of large oil and gas terminals along the coast. By 2025, the province's coal mines basically achieve intelligent mining, coal production stable

It is set at about 100 million tons, and the total installed power capacity of the province reaches about 190 million kilowatts.

Accelerate the optimization of energy structure. Highlight renewable energy, nuclear power, foreign power, natural gas four segments, to achieve incremental energy consumption by clean energy supply. Vigorously develop renewable energy, strengthen the unified planning of wind power, integrated development, planning and layout of 10 million kilowatts of offshore wind power and onshore wind power equipment industrial park, the development of marine pasture integration pilot, accelerate the development of photovoltaic power generation, the construction of saline beaches 10 million kilowatts of wind and storage integration base and the southwest Lu coal mining subsidence area photovoltaic power generation base, the scientific development of biomass, water, geothermal energy. Sound renewable energy power consumption guarantee mechanism. Implement the action plan for efficient development and utilization of nuclear energy, in accordance with the general layout of "3+2", steadily and orderly promote the construction of coastal nuclear power bases such as Haiyang, Rongcheng and Zhaoyuan, start the development of the fourth nuclear power plant site in due course, explore the research and demonstration of nuclear power small reactor heating technology, and build a strong nuclear energy

province. Continue to expand the “foreign power into Lu”, focus on promoting Zhaoyi DC supporting power production, promote the construction of Lugu DC supporting power, the construction of Longdong to Shandong ultra-high voltage DC project, improve the utilization rate of the channel and the proportion of clean electricity. Accelerate the construction of natural gas infrastructure, coordinated planning and construction of coastal LNG receiving stations in Qingdao, Yantai, Weihai, Rizhao, Dongying, China-Russia Eastern Line (Shandong section), Shandong natural gas ring network and other trunk pipeline construction. By 2025, the province's installed renewable energy generation capacity

The scale of installed nuclear power generation in operation reached 80 million kilowatts or more, and the scale of installed nuclear power generation in operation reached 13 million.

The total distance of natural gas trunk pipeline network will reach 8,500 kilometers, and the coastal LNG loading and unloading capacity will reach about 25 million tons per year.

Vigorously develop new energy technologies and new models. Actively explore the production of hydrogen from renewable energy sources such as photovoltaic, wind power and low valley power, and promote fuel cell distributed power supply and combined heat and power supply

We will demonstrate the application of energy storage system, cultivate the new mode of "photovoltaic + hydrogen storage" integrated application, build a national highland for hydrogen energy industry development, and create a "hydrogen corridor" in Shandong Peninsula. Accelerate the research and application of energy storage, establish and improve the management mechanism and standard system of energy storage, explore the technical mode of energy storage applied in the fields of electric auxiliary services, distributed power and micro-grid, and promote the construction of demonstration projects by category. Build a smart energy system, accelerate the construction of smart grids and energy micro-grids, vigorously develop the "cooling, heating and power" triple-supply distributed energy network, promote the terminal integration of integrated energy supply mode, and guide the transformation of energy development from supply-led to supply-demand interaction.

Column 16: Major energy development projects

Oil and gas

field:

1. Oil and gas pipelines. Construction of (1) Shandong natural gas ring network (2) Shandong section of China-Russia Eastern Gas Pipeline (3) Dongjiakou-Dongying crude oil pipeline (4) Rizhao-Jingbo crude oil and refined products pipeline. Newly constructed (5) Qingdao Port Huangdao Port to Weifang Binhai oil pipeline (6) Yantai-Yulongdao crude oil pipeline (7) Heze - Zhengzhou refined oil products pipeline, etc.

2. LNG receiving station. Construction of (1) Sinopec Shandong LNG Receiving Terminal

Expansion Project (2) Phase I of Longkou Nanshan LNG Receiving Terminal (3) Yantai Port West Port LNG Project (4) Sinopec Longkou LNG Project. Planning and construction of (5) Weihai LNG receiving terminal (6) Rizhao Port LNG receiving terminal (7) Dongying Port LNG receiving terminal, etc.

Coal field: Completed (1) Wanfu coal mine and coal processing plant project.

Reserve (2) Li Lou coal mine No.2 shaft project.

Power field:

1. Nuclear Power. (1) Rongcheng high-temperature gas-cooled reactor demonstration project (2) Guohe-1 demonstration project (3) Haiyang nuclear power phase II and III (4) Rongcheng Shidao Bay nuclear power phase II (5) Zhaoyuan nuclear power phase I (6) nuclear power reserve site protection and research demonstration, etc.

2. Wind power. Strengthen the unified planning and integrated development of wind power in Bozhong, north and south of the peninsula.

3. Hydropower. Constructed (1) Wendeng pumped storage power station (2) Yimeng pumped storage power station. Under construction (3) Weifang pumped storage power station (4) Tai'an Phase II pumped storage power station. Reserve (5) Laiwu Shipyard Pumped Storage Power Station (6) Zaozhuang Shanting Pumped Storage Power Station (7) Qingzhou Zhuya Pumped Storage Power Station, etc.

4. Photovoltaic power generation. (1) 10 million kilowatts of wind and storage integration base in saline mudflats (2) PV power generation base in coal mining subsidence area in southwest Lu, etc.

5. Foreign power into Lu. (1) Longdong-Shandong ± 800 kV ultra-high voltage DC transmission project (2) Zalut -

Qingzhou UHV DC channel delivery supporting power base, etc.

6. Power grid. Constructed (1) first 500 kV transmission and substation project (2)

Guanlong 500 kV transmission and substation project (3)

Huangbuling 500 kV transmission project (4) Shouguang 500 kV substation main substation expansion project (5) Yimeng pumped storage

500 kV transmission project (6) Qihe 500 kV transmission project (7) Liaocheng

South 500 kV transmission project

Chapter 54 system to enhance water safety and security capacity

Adhere to the priority of water conservation, spatial balance, system management, two-handed efforts, in accordance with the "root cause of flooding, drought prevention and control" target requirements, accelerate the construction of water conservancy infrastructure, the implementation of water network projects, to enhance the optimal allocation of water resources and drought disaster prevention capabilities.

Build a spatially balanced water allocation system. Optimize the layout of the backbone water network, accelerate the construction of large, medium, small and micro, storage and transfer combined with multiple sources of regulation and complementary water resources allocation pattern. Strengthen the efficient and economical use of water resources, the implementation of irrigation areas, reservoir irrigation areas, (lake) irrigation area water conservation projects, promote the renewal of large and

medium-sized irrigation areas supporting and modernization.

Accelerate the construction of key water supply projects, promote Yantai Lao Lan, Jinan Baiyun and other new large and medium-sized reservoirs and Zaozhuang Yanma, Yantai Wangwu and other large and medium-sized reservoirs to increase the capacity of the project, the proof of implementation of Qingdao Guanlu, Jinan Taiping, Linyi Shuanghou, Weihai long will mouth and other large reservoirs, Linyi Huangshan gate, Taian brick shed barrage and other river storage projects, the construction of a number of small reservoirs, underground reservoirs and river and lake water system connection project, accelerate the diversion of yellow Culvert gate reconstruction. Accelerate the construction of major water transfer projects, according to the national deployment to promote the second phase of the South-to-North Water Transfer East Project Jiao Dong water transmission line and other trunk lines and supporting projects in Shandong, the implementation of the South Four Lakes water transfer project. Accelerate the desalination of seawater, in Qingdao, Yantai, Weihai and other cities planning and construction of sea

Water desalination base. Promote the integration of desalinated water into the unified allocation system of water resources in coastal areas, explore municipal water supplementation mechanisms, and build a national demonstration area for desalination and comprehensive utilization of seawater. By 2025, the province will have a new water supply capacity of 1 billion cubic meters.

Improve the flood control and disaster mitigation system of rivers and lakes. The implementation of flood and drought control and water conservancy improvement project, accelerate the construction of rivers, reservoirs, lakes and flood storage areas as the structure of high-standard flood mitigation engineering system. The project will be carried out to treat the weaknesses of key rivers with a watershed area of 200 square kilometers or more, complete the comprehensive flood control of the Xiaoqing River, prove the implementation of the Yishu River, the Pichang floodway and the upgrading project of Yishu into Shushi, and construct the closure project of the Xi Shan to Han Zhuang section of the East Lake of the South Four Lakes. The project will be carried out to remove and strengthen diseased reservoirs and sluices, strengthen the prevention and control of flash floods, and implement comprehensive management of small water-related projects. Promote the construction of En County

Puddle, South Four Lakes East Flood Control Zone and Huaihe River Basin key plain depressions along the transport piece of PiCang Tan new area management project. Accelerate the construction of seawall project, improve the coastal areas of flood control and tide disaster mitigation engineering system.

Create a safe and practical digital water conservancy system. Construction of new digital water conservancy infrastructure, complementary to improve the rainfall, water level, flow, water quality, moisture, water conservancy project safety monitoring facilities, river and lake systems, groundwater, water conservancy projects and other water-related information to

implement real-time monitoring. Strengthen the water business network and provincial government cloud integration and network security work to enhance the basic support capabilities. Construction of water "one map", strengthen the spatial

information sharing capacity of water, the construction of the province's water integration business application platform.

Long will mouth reservoir (11) Linyi Huangshan gate (12) Jinan Baiyun, Heze Wei Lou and other new medium-sized reservoirs (13) Yanma, Yincheng and other large and medium-sized reservoirs to increase the capacity of the project (14) Lubei reservoir (15) brick she barrage and other river storage projects

(16) Yellow Base River, Sow River and other underground reservoirs (17) Qingzhou Damashan and other new small reservoirs (18) new Liujiadokou irrigation district project (19) the Yellow River south of the wide area irrigation project (20) Jinan East four reservoirs connected and other river and lake water system connection project (21) the reconstruction of the Yellow culvert gate (22) Liaocheng bit mountain irrigation district, Texas Panzhuang irrigation district and other large irrigation district renewal support and modernization (23) Dongying victory irrigation district and other Medium-sized irrigation district renewal support and water-saving renovation (24) rural water supply security projects, etc.

Flood prevention and mitigation projects: (1) Xiaoqing River comprehensive flood control project (2) Dongping Lake comprehensive management of water conservancy special projects (3) Enxianwa floodplain construction project (4) South Four Lakes East floodplain construction project (5) South Four Lakes East embankment Xi Shan to Han Zhuang section closure project (6) Huaihe River Basin key plain depression along the transport piece of Pi Cang Tan new area management project

(7) Tu Shi River, Ma Bu River and other river basin area of 3000 square kilometers or more river management (8) Yanzi River, Lushan River (9) Small and medium-sized rivers with a watershed area of 200-3,000 square kilometers, such as the Yishu River and the Pichang floodway and the project to raise the standard of the Yishu River into the Shushi River (10) Small and medium-sized reservoirs at risk and reinforcement (11) Large and medium-sized sluice gates and reinforcement (12) Construction of seawalls (13) Management of flash flood ditches (14) Flood control projects in the lower reaches of the Yellow River, etc.

Digital water conservancy project: (1) digital water conservancy new infrastructure construction project (2) the province's integrated business application platform for water conservancy (3) the key water conservancy project demonstration of operational management platform, etc.

Desalination project: (1) Qingdao Baifa desalination project (2) Yantai Haiyang

desalination project (3) Yantai Wanhua desalination project (4) Longkou Yulongdao desalination project (5) Huadian Laizhou desalination project (6) Yantai Penglai desalination project (7) Weifang Binhai desalination project (8) Rongcheng Shidao desalination project (9) Huaneng Weihai desalination project (10) Rizhao desalination project (10) Rizhao desalination project (11) Lubei Biyuan desalination project, etc.

Title XV Strengthening public service guarantee Continuously promote the well-being of the people

Adhere to the realization, maintenance and development of the fundamental interests of the broadest number of people as the starting and ending point of development, efforts to run the people's livelihood, improve the quality of life of the people, and solidly promote common prosperity, and constantly enhance the people's sense of access, happiness and security.

Chapter 55 Implementation of the employment priority strategy

Strengthen the employment priority policy, do everything possible to expand total employment, improve the employment structure, and

Improve the quality of employment, promote the industry, enterprise, entrepreneurship, employment "four industry linkage", so that everyone enjoys equal employment, the opportunity to realize the value of life.

Promote fuller employment. Stabilize and expand employment as an important goal of macroeconomic control, and improve fiscal, financial, investment, consumption and industrial policies to support employment. Implement employment and entrepreneurship promotion programs for college graduates, grassroots growth programs and youth apprenticeship programs, improve employment support systems for key groups such as migrant workers and retired military personnel, and create more than 1.1 million new jobs in urban areas each year. Strengthen the placement of people with employment difficulties, increase the number of public welfare jobs, and ensure that zero-employment families are dynamically eliminated. Support the development of service industries, small and medium-sized enterprises and labor-intensive enterprises with strong employment absorption capacity, and steadily expand community service posts. Support workers to achieve flexible employment through temporary, part-time, seasonal and flexible work. Improve the mechanism of employment situation study and unemployment risk warning and response, and prevent and

solve the risk of large-scale unemployment.

Sound employment public service system. Pay more attention to alleviate structural employment conflicts and meet the multi-level employment needs of workers. Implement the action of high-quality development of human resources service industry, improve the open and orderly human resources market system. Improve the system of lifelong vocational skills training, implement the “Skill Promotion” action, build a number of public training bases and industry-education integration bases, and accelerate the improvement of workers' skills quality. Broaden the field of vocational skills competition, and host the 7th National Vocational Skills Competition for Persons with Disabilities. Build a regular mechanism to help enterprises stabilize their jobs, and coordinate the use of employment subsidies and unemployment insurance funds. Improve the labor contract system and labor relations coordination mechanism, improve the long-term mechanism for the treatment of unpaid wages and the mediation and arbitration system for labor disputes, safeguard the legitimate rights and interests of workers and employers, and explore the establishment of a mechanism to protect the labor rights and interests of employees in new industries.

Promote entrepreneurship-led employment. Carry out the action of "entrepreneurship Qilu — happy to work in Shandong", and improve the regional and comprehensive entrepreneurial ecology. Strengthen the construction of business incubation carriers and business parks, improve online and offline business services, create an integrated entrepreneurial training system of training and learning, business practice, consulting and guidance, and follow-up support, implement support policies such as site support, rent reduction, tax incentives, business subsidies, etc., to attract and motivate college graduates to stay in Lu for employment and business. Encourage self-employment, support micro-business, e-commerce, webcasting and other diversified entrepreneurial employment. The implementation of the Qilu Rural Innovation Program, support for the development of entrepreneurship for people returning to their hometowns.

Chapter 56 Raising the income level of the population

Adhere to the distribution of labor as the main body, the coexistence of a variety of distribution methods, deepen the reform of income distribution, improve the income of low-income groups, expand the middle-income group, to achieve the growth of residents' income and economic growth synchronization.

Increase the proportion of labor remuneration in the initial distribution. Encourage hard work and law-abiding wealth, and stimulate people's enthusiasm to create a better life through labor. Improve the mechanism of basic synchronization between the increase of labor remuneration and the increase of labor productivity, and steadily increase the labor income of residents. Improve the minimum wage standard and enterprise wage guideline system, and strengthen the protection of migrant workers' wage payment. Deepen the reform of the wage system of institutions and improve the salary system of state-owned enterprises.

Improving the participation of various production factors in the distribution mechanism. Improve the system of evaluating contributions by the market and determining remuneration according to contributions. Explore the right to use land, capital and other factors, the right to income to increase the factor income of low- and middle-income groups, and broaden the channels to increase property income. Improve the system of dividends in shareholding enterprises, promote the system of employee shareholding, and implement the incentive mechanism of income distribution for high-level talents. Improve the mechanism for sharing the rights and interests of scientific researchers in their invention achievements.

Improve the proportion of income distribution from scientific and technological achievements.

Sound redistribution mechanism. Increase the strength and precision of taxation, social security, transfer payments and other regulation, better play the role of the third distribution, reasonable regulation of urban and rural areas, regions, different groups of distribution between the relationship. Implement the personal income tax system. Enhance the fairness and accessibility of social security treatment and services, and improve the dynamic adjustment mechanism of the standard of underwriting protection. Increase transfer payments to less developed regions, major food-producing regions, and important ecological function areas. Regulate the order of income distribution, protect legitimate income, reasonably regulate excessive income, and outlaw illegal income. Standardize the development of charitable organizations, charitable donations, charitable trusts, to better play the role of helping the elderly, orphans, compassionate illnesses, help the disabled, poverty alleviation, poverty relief, relief and so on.

Chapter 57 sound multi-level social security system

Adhering to the principle of insuring as much as possible, in accordance with the requirements of covering the bottom line,

weaving a dense network, building a mechanism to improve the coverage of all people, urban and rural areas, fair and unified, sustainable multi-level social security system.

Improve the social insurance system. Improve the system of pension insurance system, and promote the long-term balance of the basic pension insurance fund. Promote social insurance transfer and succession, and improve the basic pension financing and treatment adjustment mechanism. Implement the national coordination of basic pension insurance, and realize full coverage of social insurance for statutory personnel. Improve the multi-level pension insurance system, increase the coverage of corporate pensions, establish a personal pension system, and develop commercial pension insurance. Promote unemployment insurance and work injury insurance to professional workers with wide coverage and achieve provincial coordination. Strengthen the supervision of social insurance funds, improve the fund supervision and risk prevention and control system. Fully implement the “one card” service management model with the social security card as the carrier. Improve the social insurance system for flexibly employed workers and explore new

Industry employees to participate in the social insurance protection methods.

Sound social assistance mechanism. Improve the tiered and categorized relief system system with basic livelihood assistance, special social assistance and emergency social assistance as the main body and social participation as a supplement, and build a comprehensive relief pattern with system convergence, resource coordination, departmental linkage, social participation and information sharing. Improve the dynamic adjustment mechanism linking urban and rural low income security with the previous year's per capita consumption expenditure of urban and rural residents, linking the basic living standard for people with special difficulties with the low income security standard, and linking the care and nursing standard with the previous year's minimum wage. Improve the comprehensive management platform for social assistance and tighten the social assistance network. During the "14th Five-Year Plan" period, the rate of centralized care for people with special difficulties who have the will to provide centralized care has reached 100%.

Strengthen the work of veterans. Strengthen the ideological and political work of veterans in the new era, improve the service and protection system for veterans, and safeguard the legitimate rights

and interests of military families. Strengthen the construction of veterans service institutions, to create a well-functioning, military characteristics, service object satisfaction " "veterans home" ". Strictly implement the policy of dynamic adjustment of retirement benefits, pensions, preferential treatment, and retirement fees, establish a preferential treatment card system, and implement a list of basic preferential treatment catalogs. Improve the transfer and resettlement system, expand resettlement channels, improve the quality of resettlement, establish an education and training system complemented by skills training and academic education, build training bases for employment and entrepreneurship for retired military personnel, and promote fuller and higher quality employment and entrepreneurship for retired military personnel. Vigorously carry forward the spirit of martyrs, widely carry out martyr praise and commemoration activities, strengthen the construction of martyr memorial facilities and repair and protection, and establish a good culture of cherishing heroes and respecting martyrs in the whole society. Carry forward the glorious tradition of the military loving the people and the people supporting the military, and consolidate the unity of the military and the people.

Protect the legitimate rights and interests of women and children. Adhere to the basic state policy of gender equality, improve the institutional system for the comprehensive

development of women, broaden employment channels for women,
and eliminate gender discrimination in employment.

In addition, the Government has also been working to protect the rights of women to participate in economic and social development. Fully implement free cervical cancer and breast cancer screening for rural women of appropriate age, and expand the coverage of assistance. Establish and improve a system to promote the priority and comprehensive development of children, and narrow the urban-rural, regional and group disparities in children's development. In-depth implementation of the Healthy Child Action Plan, prevention and control of childhood diseases, effective control of childhood obesity and myopia. Strengthen the standardization and specialization of children's welfare institutions and rescue and protection institutions for minors, improve the child custody system, standardize the foster care of children, create child-friendly cities and friendly communities, and prevent juvenile delinquency. Improve the care and service system for women and children left behind in rural areas. Crack down on illegal and criminal acts that infringe on the personal rights of women and children.

Strengthen family construction. Give full play to the important role of the family in social governance at the grassroots level, and build equal, harmonious and civilized marital and family relations. In-depth implementation of the **''family** happiness

and well-being”” project, improve the policy system to support family development, improve tax and welfare policies for childbirth support, child rearing and education, elderly support, and promotion of work-family balance, and strengthen policy support, assistance and services for special families, such as families in difficulty, single-parent families, and single-parent special difficulties. Explore the implementation of paid parental leave for parents. Promote the implementation of the law against domestic violence, strengthen marriage and family counseling services, prevent and resolve marriage and family conflicts and disputes, and build a family education guidance service system covering urban and rural areas.

Improve the level of protection for people with disabilities. Adhere to prevention-oriented, prevention and rehabilitation combined, and build a diversified rehabilitation service system coordinated with economic and social development and adapted to the rehabilitation needs of people with disabilities. Implement a dynamic adjustment mechanism for the standard of living allowance and care allowance for the severely disabled in difficulty. Improve the system and facilities of care services for persons with disabilities, promote the construction of a comprehensive barrier-free city, implement the barrier-free transformation of low-income families with severe disabilities, and promote

“Internet + disability” services. Relying on townships (streets), urban and rural communities public service facilities, the construction of “Rukang Home” home services platform for people with disabilities. Construction of the new campus of Shandong Special Education Vocational College. Improve the employment support service system, labor rights and interests protection system and talent skills service mechanism for people with disabilities.

Chapter 58 comprehensive promotion of health Shandong construction

Put the protection of people's health in a strategic position of priority development, accelerate the transformation of health and health from a treatment-centered to a health-centered business, and provide people with whole-life health services.

Build a strong public health system. Adhere to the focus on the grassroots, prevention-oriented, prevention and treatment, combined with Chinese and Western medicine, improve the monitoring and early warning of public health emergencies and emergency response mechanisms, build a combination of peace and war, scientific and efficient, functional public health system. Reform the disease prevention and control system, fully built a professional, modernized three-tier disease prevention and control network, the construction of the provincial public health clinical

center and Qingdao, Heze sub-center. Create a national health care data center (north), Jinan International Medical Science Center, high-level construction of rehabilitation universities. Implement public health responsibilities of medical institutions, improve scientific research, disease control and clinical medical synergy mechanisms, and establish a network for the treatment of infectious diseases. Strengthen the grassroots public health system, strengthen the construction of public health personnel, and increase the scale of training of publicly funded medical students. Improve the management of rescue, treatment and services for serious mental disorders, carry out early screening and intervention for common mental disorders, and build a platform for grassroots mental health services. Consolidate the achievements in eliminating endemic diseases and continuously control the hazards of iodine deficiency disease. Strengthen the source management of occupational disease hazards in key industries. Promote the great anti-epidemic spirit and create a good culture of respect for medicine and health.

By 2025, to achieve full coverage of the province's national health cities.

Deepen the reform of the medical and health system. Implement a new round of regional medical capacity "climbing plan" to strengthen the construction, management and assessment of public hospitals, to create a national regional medical center as a leader, to the provincial regional medical center for support, to the national diagnosis and treatment center for difficult diseases as the backbone, to specialize in disease hospitals and key diseases combined with Chinese and Western medicine for the prevention and treatment of features, to the key clinical specialties The system is a high-level medical service system focusing on clinical key specialties and specialties. Preparation and implementation of comprehensive and specialized categories of national regional medical center construction program. The implementation of grass-roots medical and health service capacity enhancement action, strengthening the construction of township health centers, rural health offices and urban community medical service centers. Improve the telemedicine service system for grassroots, remote and underdeveloped areas, promote the construction of compact county medical communities, and implement the graded treatment system of "primary care at the

grassroots level, two-way referral, up-and-down linkage, and separation of acute and slow treatment””.

Improve the quality and scale of medical and nursing personnel training, expand the scale of pediatrics, general practice and other shortage of physicians, steadily expand the scope of family doctor contracted services, the number of registered nurses per 1,000 population in the province to 3.95 by 2025.

Sound universal medical insurance system. Improve the medical security system system with basic medical insurance as the main body, medical assistance as the bottom, supplementary medical insurance, long-term care insurance, commercial health insurance, charitable donations, and medical mutual aid synergistic development. Improve medical insurance contributions to participate in the policy, the implementation of medical insurance treatment list system. Promote the provincial-level coordination of basic medical insurance. Improve the basic medical insurance outpatient medical assistance protection mechanism, and improve the medical insurance and assistance system for major diseases. Establish a comprehensive service system of ””Internet + medical insurance + medical + medicine””, promote the reform of medical insurance payment methods, include eligible Internet medical services into the scope of medical insurance payment, and implement

settlement of medical treatment in different places. Promote the reform of centralized procurement of drugs and medical supplies.

Sound drug supply guarantee system.

Building a strong province of Chinese medicine. Vigorously promote the culture of Chinese medicine, adhere to the synergistic development of Chinese and Western medicine, accelerate the inheritance and innovation of Chinese medicine, and create a national demonstration zone for comprehensive reform of Chinese medicine. Strengthen the cultivation of Chinese medicine special talents, implement the strategy of "three passages of inheritance" of Chinese medicine learning classics, using scriptures and passing on experience, and build the brand of "Qilu Chinese medicine". Implement the project of cultivating clinical advantages of TCM and the health project of treating untreated diseases in TCM. Improve the Chinese medicine service system, strengthen the provincial Chinese medicine hospital and the provincial combined Chinese and Western medicine hospital, promote the standardization of county-level Chinese medicine hospitals, and achieve full coverage of public Chinese medicine medical institutions in cities and counties. By 2025, 70% of the province's county (city) Chinese medicine hospitals to meet the recommended standards for national medical service capacity. Build five major herbal medicine bases in the southern mountainous areas of Central Lu, Jiaodong Peninsula,

Southwest Lu, Yellow River Delta, Weishan Lake and Dongping Lake. Accelerate the construction of Shandong Internet trading platform for Chinese herbal medicines.

Building a strong sports province. Implement the national fitness program, strengthen the construction of national fitness venues and facilities, and establish a higher level of public service system for national fitness. Focusing on youth, carry out national physical fitness monitoring and intervention. Vigorously develop sports technology, sports industry, accelerate the development of sports "new infrastructure", sports high-end manufacturing, sports services and "sports +" and other new business models, strengthen the creation of sports brands, to create national sports industry base and sports industry innovation pilot area. Cultivate a number of sports industry contact point cities and sports consumption pilot cities. Promote the construction of sports parks, accelerate the construction of social soccer facilities, support Jinan and Qingdao to host the World Club Cup soccer tournament and the Asian Cup soccer tournament sub-match. Develop competitive sports at a high level, enhance the ability to compete for Olympic glory and sustainable development, and organize the 25th Provincial Games and the 11th Provincial Paralympics.

Carry out in-depth patriotic health campaigns. Strengthen health education and health knowledge popularization, advocate

We will promote a civilized and healthy lifestyle, establish a good diet, carry out actions to control smoking and limit alcohol, resolutely eliminate the bad habit of eating wild animals indiscriminately, and promote good living habits such as sharing meals and chopsticks. Implement salt reduction, oil reduction, sugar reduction and control of high blood pressure, high blood fat, high blood sugar "three reduction and control of three high" project, standardize the early screening intervention and health management of chronic diseases, and improve the overall health of the whole population.

Column 18: Health Shandong key projects

Public health services: (1) National Center for Critical Care Prevention and Treatment (2) Provincial Public Health Clinical Center (3) Major disease precision prevention and control platform (4) Provincial Internet medical insurance health service platform (5) Provincial Hospital Emergency Medical Center (6) Provincial Maternal and Child Health Hospital Critical Care Center (7) Provincial Public Health Clinical Center Qingdao Branch (8) Shulan (Jinan) International Hospital Project (9) Pinda Taian Rongjun Hospital Honorary Military Recuperation Facility Project (10) Provincial Public Health Clinical Center Heze Branch, etc. .

Provincial quality medical resources expansion and sinking projects: (1) Affiliated Hospital of Qingdao University (2) Zibo City Central Hospital (3) Jining First People's Hospital (4) Linyi People's Hospital (5) Affiliated Hospital of Binzhou Medical College, etc.

Medical and health care: (1) National Chinese Medicine Intelligent Manufacturing Industrial Park (2) Shandong Institute of Life Sciences Engineering Industry Technology (3) Shandong Energy Medical and Health Industry Project (4) Jinan International Medical Science Center (5) Fureda Health Care Products Industrial Park (6) Jinan Hot Spring Medical Rehabilitation Industrial Park (7) Beida Medical Equipment Industrial Park (8) Zibo Social Welfare Institute (9) Tengzhou

City Medical and Health Care Integration Health Center Project (10) Yantai Elderly Welfare Service Center Phase III Project (11) Zhongguancun Translational Medicine (Tai'an) Medical Technology International Industrial Park (12) Linyi Jinqiu Sunshine Pension Industrial Park Project (13) Linyi City Senior Care Service Center (14) Liaocheng City Medical and Health Center Project (15) Dong'a Chinese Medicine Health Industrial Park Project (16) Binzhou City Guochang Yixinyuan Medical and Health Industry High-end Medical and Health Project (17) Shandong Qiyue Technology Medical and Health Care Consortium Project, etc.

Sports: (1) Asia Cup soccer tournament venue (2) National Sports Technology Innovation (Shandong) Center
(3) The 25th Provincial Games Venue (4) Shandong Province Intelligent Fitness Rehabilitation Engineering Technology Research Center (5) Jinan Yellow River Sports Center (6) Qingdao World Sports City (7) Zibo China Cuju City (8) China-Japan-Korea Sports Culture (Yantai) Industrial Park (9) Taishan Culture and Tourism Fitness Center (10) Texas Leling Taishan International Sports Industry Park (11) Shandong Province (Texas) Sporting Goods Industry Innovation Center, etc. .

Chapter 59 Active response to population aging

Optimize the population structure, improve the quality of the population, build a multi-level and diversified elderly service system, improve the quality of life and life quality of the elderly, and build an age-friendly society.

Promote long-term balanced population development. Implement the national fertility policy, reduce the costs of childbirth, parenting and education, and release the potential of the fertility policy. Implement maternal and infant safety programs, improve the full range of eugenic services, strengthen preconception and maternity health services, and improve the quality of the birth population. Develop a system of inclusive childcare services, support enterprises, institutions, social organizations and other social forces to provide inclusive childcare services, and promote the professional and standardized development of care services for infants and children under the age of 3. Innovate and improve the youth development policy system, and vigorously attract young talents from outside the province and abroad. Implementing the “Green Bird Program”, serving young students and talents to return to Lu to start their own business. Gradually delay the statutory retirement age and actively develop human resources for the elderly.

Improve the quality of life of the elderly. Carry forward the traditional Chinese virtues of old age, filial piety and respect for the elderly, improve the system of laws and regulations to protect the rights and interests of the elderly, and improve the system of

social preferential treatment for the elderly. Unify the preferential treatment policy for the elderly, and realize the mutual recognition of valid documents in the province. Establish and improve the health service system covering health education, preventive health care, disease diagnosis and treatment, rehabilitation care, long-term care, hospice care for the elderly. Promote health checkups for the elderly and carry out psychological health and care services for the elderly. Innovate and develop education for the elderly, implement the action plan of the university for the elderly, and enrich the spiritual and cultural life of the elderly.

Multi-channel increase in the supply of elderly services. Vigorously develop affordable, convenient and accessible universal elderly care services. Improve the policy system to support aging at home and in the community, and encourage adult children to live close to or with their elderly parents to fulfill their support obligations and take care of them. Explore the system of paid nursing leave for children. Implement community elderly service facilities construction action, improve the level of ageing, develop comprehensive street elderly service institutions, build day care centers for the elderly in the community, rural happy homes and other day care facilities, and encourage mutual help type of elderly care. Comprehensively establish a system for the disabled, severely disabled, left-behind, living alone, lost-alone

and other special difficulties of the elderly.

Community visitation system for the elderly, the establishment of mentally handicapped elderly care mechanism to prevent loss. Deepen the reform of public elderly institutions, support the transformation of training and recuperation resources to develop elderly care. Comprehensively liberalize the senior care service market, support social capital investment in senior care institutions, implement the same preferential policies, improve support for nursing care and chain-type private senior care institutions, and guide standardized financial and real estate enterprises to enter the senior care market. Encourage senior care institutions to explore various cross-border senior care business models. By 2025, the proportion of nursing care beds in nursing care institutions in the province will reach 60%, and the coverage rate of integrated nursing care service institutions in the streets and the allocation rate of community nursing care facilities will reach 100%.

Accelerate the development of the elderly industry. Vigorously develop the silver-haired economy, promote the integrated development of the elderly service industry, and actively develop the market for age-friendly lifestyle products to better meet the differentiated and individualized needs of the elderly. Consolidate and expand the advantageous industries of elderly clothing, food and health care products, rehabilitation and health

care equipment, encourage the development of elderly care, assisted living, functional compensation and other elderly assistive technology products, and cultivate new business models such as intelligent elderly care. Promote financial innovation for the elderly, play the role of the New Old Dynamic Energy Conversion Fund, support the development of the elderly industry, build a number of elderly service industrial parks, and create an elderly service industry cluster.

Part XVI Deepen the
 implementation of the overall
 national security concept to
 build a higher level of peace in
 Shandong

Adhere to the organic unity of political security, people's security, the supremacy of national interests, the development of security throughout the entire process of economic and social development in all areas, to prevent and resolve major security risks, to achieve high-quality development and a high level of security of the positive interaction, to shape the security environment for the construction of a modern and strong province in the new era.

Chapter 60 strengthen national security capacity building

Strictly implement the national security responsibility system of party committees (party groups), improve national security legislation, systems and policies in important areas, and enhance early warning and prevention, risk research and judgment, crisis control, review and supervision, information support and comprehensive security capabilities. Improve the coordination mechanism for maintaining security in key areas such as politics, economy, culture, society, ecology, resources, network, finance, science and technology, biological, nuclear and overseas interests, and expand the layout of national security work in new areas such as marine, energy, food, digital and intellectual property. Strengthen the construction of forces to maintain national security, establish national security think tanks and strategic research institutions, and accelerate the promotion of national security disciplines in universities. Improve the rapid linkage of public opinion emergency disposal mechanism, the establishment of vertical and horizontal monitoring and early warning, information sharing, collaborative disposal of command and communication system, so that the disposal of public opinion in response to the province "a chess". In-depth national security

publicity and education, consolidate the national security people's defense, build a good use of the overall national security concept of Liu Gong Island education and training base. The company's main goal is to promote national defense and economic construction, deepen the sharing of resources and strengthen the coordination of policies and systems. Improve the national defense mobilization system, improve the mechanism of strengthening the border and strengthening the defense, and develop the people's air defense. Firmly safeguard regime security, institutional security, ideological security, in-depth anti-cult and anti-terrorist struggle, and strictly prevent and severely combat the infiltration of hostile forces, sabotage, subversion and splitting activities.

Chapter 61 to protect people's lives

Always put the protection of people's lives in the first place, adhere to the combination of prevention preparations and emergency response, strengthen the key areas of security risk identification and comprehensive rectification, and enhance the overall

Public safety and security capabilities.

Strengthen the whole process of food and drug safety supervision. Focus on food, drug and vaccine safety, build a region-wide coverage, the whole chain through, a comprehensive and coordinated regulatory mechanism, and strive to achieve food and drug safety rate of 100%. The implementation of food safety project construction action to ensure that the majority of the people "tongue safety", the construction of a higher level of "food safety in Shandong". Deepen the reform of the drug review system, the construction of food and drug medical device innovation and regulatory services platform. Establish a vaccine reserve mechanism for the province's medical system and accelerate the layout of the vaccine industry. Implement food and drug safety wisdom supervision project, integrate and improve the online supervision platform covering the province's licensing and approval, sampling and monitoring, daily supervision, inspection and enforcement, product traceability, etc., and strengthen the punishment for violations in the field of food and drug.

Improve the level of safety production. Adhere to the same responsibility of the party and government, a double responsibility, all together, failure to pursue responsibility, strengthen the local party committees at all levels, the

government's leadership of the work of production safety, and resolutely curb the occurrence of serious safety accidents. Strengthen production safety detection and early warning and supervision and supervision and law enforcement, strengthen traffic, mining, hazardous chemicals, construction, fire, civil explosives, special equipment and other key areas of special rectification, effective promotion of risk classification and control, hidden danger investigation and treatment of dual prevention system and the integration of production safety standardization construction. Continuing to carry out in-depth special rectification of production safety three years of action and safety production, the big investigation, the big rectification action, adhere to the principle of "see the hidden danger as an accident", **the** implementation of major hidden danger treatment at each level of supervision and rectification effect evaluation. Strengthen the main responsibility of enterprises, strengthen the production safety training, strict implementation of the enterprise production safety responsibility system, according to the law to punish illegal acts in the field of production safety. Deepen the implementation of "Internet + production safety", and carry out the creation of safety industry demonstration parks.

Consolidate biosecurity protection. Accelerate the construction of biosecurity risk prevention and control and

governance body

Department, promote the reform of the institutional mechanism of the CDC, strengthen the monitoring and early warning, disease prevention, health inspection and testing, epidemiological investigation, prevention and control implementation and management responsibilities, strengthen the genetics, virology, epidemiology and other life science research and public health information technology construction. Improve the prevention and control of infectious diseases, wildlife protection, animal epidemic prevention, medical waste management, response to invasive alien species and other local regulations. Implement the CDC standardization project to achieve full coverage of biosafety level II laboratories in CDCs at the county level and above.

Chapter 62 Ensure the safe operation of the economy

Strengthen economic security risk early warning, prevention and control mechanisms and capacity building to achieve security and control in key areas such as important industries, infrastructure, strategic resources, and major science and technology.

Safeguard the stable operation of the economy. Prepare for changes in the domestic and international environment in the medium and long term, strengthen dynamic monitoring and

analysis of important economic indicators, and establish a sound and effective mechanism to maintain the security of the supply chain of the industry chain. Improve energy supply emergency plans, strengthen the comprehensive protection of coal, electricity, oil, gas and transportation in key areas, regions and seasons. Improve the comprehensive monitoring network of grain, pork and other important agricultural products, improve the food and strategic materials reserves, circulation, supply security system, and build a regional agricultural emergency supply base. Maintain the security of water conservancy, energy, transportation, communications, finance and other important infrastructure. Improve the mechanism of press release on economic operation, strengthen information disclosure and policy interpretation.

Guard the bottom line of financial security. Build and use the "Golden Security Project", strengthen the monitoring of financial operations and key areas of risk research and analysis, and improve the financial risk prevention and early warning system. Actively and steadily dispose of the liquidity risk of key enterprises, steadily promote the guarantee circle to break the chain, leading the prevention and control of bond default risk, accelerate the risk of high-risk local legal financial institutions to resolve the risk.

Compact responsibility to increase the disposal of non-performing assets of financial institutions. Improve the corporate governance structure and internal control system of listed and quoted companies. Strictly control the risks in Internet finance, real estate, insurance, private equity funds and other fields. Crack down on illegal fund-raising, malicious evasion of financial debts and other acts. Resolve the risk of hidden government debts in an orderly manner, and promote the market transformation of financing platforms in a classified manner. Sound investor suitability system and strengthen the protection of financial consumer rights.

Strengthen the new network security governance.

Comprehensively strengthen the construction of network security protection system, strengthen monitoring and early warning, emergency drills, disaster backup and data protection, build a network security monitoring and protection platform, maintain network, information and data security, and enhance the overall protection capacity of network security. Construction of network security big data platform and network security defense base, in-depth implementation of network social governance capacity building project, network protection project, enhance the maintenance of political security, social stability and the ability to combat Internet-related crimes according to law. Strengthen the application of cryptographic

technology, strengthen the security of critical information infrastructure protection. Strengthen radio management to ensure radio security. Enhance national cyber security awareness and skills. Pay close attention to hidden risk points and actively respond to emerging threats.

Chapter 63 Maintenance of social security and stability

Adhere to and improve the social governance system of common construction, governance and sharing, strengthen the system of governance, governance by law, comprehensive governance, governance at source, to achieve benign interaction between government governance and social regulation, residents' autonomy, and promote the modernization of the governance system and governance capacity.

Strengthen the roots of grassroots social governance. Improve the combination of self-governance, rule of law and moral governance of urban and rural grassroots governance system under the leadership of Party organizations, promote social governance and service center of gravity to the grassroots, and promote the standardization and refinement of grid-based service management. Innovative building party building model.

Adhere to and develop the new era of "maple bridge experience", smooth and standardize the expression of the masses' demands, coordination of interests, rights and interests protection channel. Improve the source of governance mechanism, improve the non-litigation dispute resolution mechanism, and build the party committee to take the lead, systematic prevention and management of conflict mediation pattern. Integrate basic resources for conflict mediation, promote the construction of physical platforms in a hierarchical manner, and change multiple centers into one center. Adhere to the linkage of letters and visits and various types of mediation, strengthen the education and stability of various interest groups, improve the comprehensive mechanism for the prevention, mediation and resolution of social conflicts and disputes, and promote the "one-stop" resolution of conflicts and disputes. Strengthen the special treatment of outstanding issues of letters and visits, and establish a regular mechanism for resolving the backlog of letters and visits. Fully complete the municipal social governance modernization pilot. Sound social psychological service system and crisis intervention mechanism. Strengthen the construction of social work talents. Carry out wide-field, wide-scale and multi-level peace creation activities.

Improve the social security prevention and control system. Promote the "snow bright project" intelligent application, improve social security three-dimensional, rule of law, intelligent level. Strengthen the combination of special groups, group prevention and governance, cultivate social organizations with Shandong characteristics of the peace class, the construction of police linkage, police and security joint control, police and people's joint prevention of grassroots social governance police community. Promote the normalization and institutionalization of the fight against black and evil, focus on combating prominent illegal criminal activities, and strictly prevent emergencies that endanger public security. Improve the infrastructure of public security supervision places and build provincial compulsory medical institutions. Strengthen the construction of provincial, city and county new crime research and combat system, and establish a new four-in-one anti-fraud, anti-crime synthetic combat, new crime countermeasure research and social special governance coordination mechanism. Implementation of major decision-making social stability risk assessment mechanism.

Chapter 64 to build a modern emergency management system

Adhere to the prevention of the main, the combination of prevention,

resistance and relief, improve disaster prevention, relief and mitigation work mechanism.

Effectively respond to all types of accidents and natural disasters to minimize casualties and property damage.

Improve comprehensive disaster prevention, mitigation and resilience. Optimize the layout of monitoring and emergency information dissemination infrastructure for geological, meteorological, seismic and marine disasters, and improve integrated monitoring, risk early identification and forecasting and warning capabilities for multi-hazard and disaster chains. Carry out natural disasters, accidents and disasters, public health, social security risk investigation and classification assessment, and establish a comprehensive risk and comprehensive disaster reduction capacity database for natural disasters at the provincial, municipal and county levels. Implement key projects for natural disaster prevention and control, and build a prevention and control system to coordinate response to various disasters and effectively cover all aspects of disaster prevention, mitigation and relief. Improve disaster relief and post-disaster recovery and reconstruction mechanisms, and improve multi-channel catastrophe risk dispersion mechanisms. Accelerate the promotion and application of big data, artificial intelligence, Internet of Things, advanced command and communication, light intelligent machinery, etc. in the field of disaster prevention,

mitigation and relief.

Comprehensively enhance the level of emergency management. Play the role of the province's integrated command platform to enhance supervision and management, command and rescue, emergency decision-making and other functions. Optimize the emergency material management system, establish a provincial reserve as the support, municipal reserve as the basis, county reserve as the basis of the province's emergency material reserve system. Layout and construction of a number of regional emergency rescue center, strengthen the management of emergency supplies reserves, comprehensive enhance the air, railroad, highway, waterway and communication security and other emergency rescue capabilities. Build a comprehensive fire and rescue team, professional forces, social forces to assist the emergency rescue system, strengthen the actual combat normalized exercises. Scientific layout of urban and rural emergency shelters, accelerate the construction of emergency broadcasting platform, strengthen public education on emergency management. Sound emergency mobilization, expropriation compensation mechanism, improve the local emergency management regulations system.

Column 19: Major emergency security projects

Food and drug safety: (1) national (Shandong) food and drug medical device innovation and supervision services platform (2) provincial drug wisdom supervision integration application platform, etc.

Disaster prevention and mitigation: (1) National emergency warning information dissemination system capacity enhancement project (2) Provincial earthquake mitigation public service modernization construction project (3) Provincial forest fire information command and forest fire warning monitoring project (4) Taishan regional forest fire emergency construction project, etc.

Emergency protection: (1) national regional highway traffic emergency equipment and materials (Shandong) reserve center (2) national basic network security emergency monitoring platform Shandong platform (3) provincial regional emergency rescue center (4) provincial emergency rescue aviation system (5) provincial emergency supplies reserve base (6) emergency management science

Part XVII Strengthening the overall leadership of the Party

Gathering our strength to build a modern and strong province in the
new era

Play the role of the party's overall situation, coordination of the leading role of all parties, fully mobilize all positive factors, widely unite all the forces that can be united, the formation of the children of Qilu to forge ahead with a strong impetus, concentrating on the ambitious blueprint into a better reality.

Chapter 65 Improve the Party's ability to lead economic and social development

Adhere to the overall leadership of the Party. In-depth study

and implementation of Xi Jinping Thought on Socialism with Chinese Characteristics in the New Era, enhance the “four consciousness”, firm “four self-confidence”, achieve “two maintenance”, improve the upper and lower coherent, strong organizational system, To ensure the implementation of General Secretary Xi Jinping's important instructions to Shandong and the Party Central Committee's decisions. Implementation

Party direction, planning the overall situation, policy, and reform requirements, correctly handle the relationship between ensuring the smooth flow of the Party Central Committee and the creative work based on the reality, and effectively transform the important instructions of General Secretary Xi Jinping into concrete practice, and continue to achieve new results. Promote the development of comprehensive strict governance of the Party to deepen and continuously improve the quality of the Party's construction. Take the construction of exemplary organs as a fundamental measure to strengthen the Party's construction and enhance the effectiveness of the organs' governance, and drive and promote the high-quality development of the Party's construction in all fields in the province. Improve the operation of power and supervision and control mechanism as the implementation of the plan of the basic construction, adhere to and improve the supervision system, to the party supervision as the leading, promote a variety of supervision coordination and coherence, highlight the strengthening of political supervision, so that the supervision system better integrated into the national governance system, release greater supervision effectiveness, with strong and effective supervision to ensure that the party's overall leadership throughout the entire process of economic and social

development. Perseverance in implementing the spirit of the eight central provisions and their implementation rules, continue to correct formalism and bureaucracy, and effectively reduce the burden for the grassroots. Adhere to the no-go area, full coverage, zero tolerance, one to promote the dare not, can not be corrupted, do not want to corruption, to create a good political ecology.

Improve the ability and level of implementing the new development concept and building a new development pattern. Implement the working mechanism of Party committees at all levels to study economic and social development strategies and major guidelines and policies, and improve the system of collective decision-making and expert deliberation on major matters. Educate and guide the majority of Party members and cadres in the province to firm ideals and beliefs, not forgetting the original intention, remembering the mission, and being a new era of Taishan provocateur. Comprehensively implement the Party's organizational line in the new era, implement the standards of good cadres, and build and use the cadre colleges with special features such as rural revitalization, conversion of new and old dynamic energy, marine strategy and ecological civilization. Strengthen the incentive protection for cadres who dare to take charge and act well, form a strong atmosphere of encouraging

reform, supporting innovation and tolerating failure, lead the orientation of officers and entrepreneurs with correct employment guidance, and forge a high-quality cadre force that is loyal, clean and responsible.

Chapter 66 solidly promote the comprehensive rule of law

In-depth study and implementation of Xi Jinping thought on the rule of law, to uphold the authority of the Constitution and laws, to promote scientific legislation, strict law enforcement, fair justice, and universal compliance with the law, and strive to build a higher level of the rule of law in Shandong.

Improve the quality of legislation. Adhering to the legislative reform, abolition and interpretation, and improving the system of local laws and regulations. Adhere to scientific legislation, democratic legislation, legislation in accordance with the law, improve the legislative project creation, drafting, demonstration, coordination, consideration, evaluation mechanism, broaden the citizen's orderly participation in the legislative way, improve the legislative work of grassroots contact points and major interest adjustment demonstration consulting work system. Adhere to the legislation first, give full play to the leading role of the NPC and its Standing Committee and the important role of the government, accelerate the conversion of dynamic energy, digital economy, innovation and entrepreneurship, public health, biosafety, ecological civilization, protection of property rights, livelihood security, quality and safety, government construction, emergency management

and other key areas of legislation. Accelerate the transformation of the reform results system, promote the convergence of legislation and reform decisions, and ensure that major reforms are based on law and carried out in an orderly manner.

Improve the ability to administer according to law. Lead the construction of rule of law government with demonstration creation, and promote the standardization and rule of law of government affairs at all levels. Strictly standardize, fair and civilized law enforcement, fully implement the administrative law enforcement public notice system, the law enforcement process recording system and the legal audit system for major law enforcement decisions, and improve the administrative law enforcement supervision mechanism combining daily supervision, special supervision and case supervision. Deepen the reform of the comprehensive administrative law enforcement system and promote the downward shift of the center of gravity of law enforcement. Improve the mechanism of "receiving and handling complaints", "impunity and light penalty list" and "time limit for clearing debts", fully implement the administrative law enforcement responsibility system, and standardize the implementation of the Civil Code and related laws and regulations. Implement the legality review of major administrative decisions and the legality audit mechanism of

administrative regulatory documents. Improve the importance of

Large pool of experts in administrative decision-making advice and argumentation. Strengthen the legal supervision of the illegal exercise of authority and non-exercise of authority. Strengthen the orderly convergence of administrative law enforcement and criminal justice. Implement the system of appearance of the administrative person in charge in court to answer lawsuits.

Improve judicial credibility. Make justice the lifeline of the rule of law, deepen the comprehensive reform of the judicial responsibility system, strengthen judicial supervision and control, and promote the standardization of law enforcement and justice, so that the people can feel fairness and justice in every judicial case. Optimize the configuration of judicial powers, improve the institutional arrangements for the division of judicial powers, mutual cooperation and mutual constraints, and improve the trial mode and case handling process of judicial cases. Promote the division of cases into simple and complicated, light and heavy, fast and slow, and improve judicial efficiency. Strengthen the supervision of judicial activities, improve the sunshine justice mechanism, promote the deep integration of information technology constraints and supervision, case management, promote the construction of intelligent supervision platform, ensure the correct exercise of administrative, supervisory, judicial and prosecutorial powers in accordance

with the law, strictly implement the provisions to prevent interference in the judiciary, and resolutely exclude interference in law enforcement and judicial activities. Full use of big data, artificial intelligence and other modern technological means to comprehensively improve the level of online case handling and intelligent auxiliary applications. Strengthen the construction of the rule of law workforce and accelerate the training of foreign-related rule of law personnel.

Promote law-abiding for all people. Comprehensively implement the "Eighth Five-Year Plan" to promote the whole society to respect the law, learn the law and abide by the law. Highlight the study and propaganda of Xi Jinping's thought on the rule of law, in-depth study and propaganda of the Constitution and the Civil Code, and widely carry out the propaganda of laws and regulations closely related to the production and life of the masses. Enhance the effectiveness and relevance of rule of law publicity and education, seize the leading cadres as a "key minority", improve the system of daily study of the law, and strengthen the rule of law training. Fully implement the "who enforces the law who popularizes the law" responsibility system. Build a socialist rule of law culture and create the brand of "Qilu Rule of Law Culture".

Improve the public legal service system. Develop modern legal service industry, accelerate the integration of lawyers, notaries, mediation, arbitration, legal aid, forensic identification and other public legal service resources, the construction of urban and rural areas, convenient and efficient, equal and inclusive modern public legal service system. Construction of provincial public legal service centers. Deepen the reform of the lawyer system, improve the lawyer practice protection mechanism, improve the lawyer practice management system, and strengthen the construction of lawyers. Improving the mechanism of government purchase of public legal services. Improve the legal aid system and expand the coverage of legal aid. Improve the credibility of arbitration and promote the healthy development of the arbitration industry. Improve the rule of law in Shandong construction index system, the establishment of the “Shandong rule of law index”.

Chapter 67: Widely cohesive pioneering and progressive synergy

Adhere to and improve the system of people's congresses. Strengthen the NPC's supervision of the “one government, one committee and two chambers”, support and guarantee the people's exercise of power through the people's congresses, and

guarantee the people's management of state affairs, economic and cultural undertakings and social affairs through various channels and forms in accordance with the law. Support and guarantee the NPC to exercise legislative, supervisory, decision-making, appointment and dismissal powers in accordance with the law, with the institutional system to ensure that the people are in charge. Explore increasing the sessional arrangement for the NPC Standing Committee to consider draft regulations, and submit important regulations to the People's Congress for consideration. Sound and perfect the system of the NPC to discuss and decide on important matters.

Adhere to and improve the multi-party cooperation and political consultation system under the leadership of the Communist Party of China. Play the role of the CPPCC as an important channel of socialist consultative democracy and a specialized consultative body, and improve the democratic supervision mechanism of the CPPCC. The CPPCC will insist on the mutual coherence of promoting democracy and enhancing unity, and on the two-way development of proposing political ideas and building consensus, promote the extensive and multi-level institutionalized development of consultative democracy, improve the implementation mechanism of consultation before and during the implementation of decisions, and enrich the development of the CPPCC.

The institutionalized practice of discussing wealthy matters and the affairs of all people has continuously demonstrated the unique advantages of socialist consultative democracy.

Gather the power of consensus of the whole society. Adhere to the main position of the people, fully stimulate the enthusiasm, initiative and creativity of the general public. Play the role of trade unions, the Communist Youth League, the Women's Federation and other people's groups, the respective masses in close contact with the Party. We will improve the general united front work pattern, play the role of democratic parties, the Federation of Industry and Commerce and people without party affiliation, do a good job in ethnic and religious work, strengthen the united front work of the private economy and new social strata, and extensively unite the patriotic and friendly forces of compatriots in Hong Kong and Macao, Taiwan and overseas compatriots. Adhere to and carry forward the excellent qualities of Shandong Party members and cadres with high political awareness, hard work and perseverance, practicality and willingness to break new ground, and stride forward towards the grand goal of building a modern and strong province in the new era.

Chapter 68 Sound planning and implementation mechanisms

Establish a unified planning system. Better play the role of strategic guidance of the province's development planning, improve the province's development planning as the leader, spatial planning as the basis, special planning, regional planning for support, accurate positioning, clear boundaries, complementary functions, unified and connected planning system. Timely introduction of development planning local laws and regulations to provide rule of law for the preparation and implementation of planning. Sound and perfect special planning, regional planning directory list management system. Various departments of the provincial government to prepare or approve the various types of planning, shall be reported to the provincial development and reform departments for the record. Establish and improve the planning coordination mechanism, the provincial party committee, the provincial government for approval of planning and municipal development planning must be submitted for approval before the convergence with this plan, to ensure that the provincial spatial planning, special planning, regional planning and other levels of planning and this plan in the main objectives, the

Development direction, overall layout, major policies, major projects, risk prevention and control and other aspects of coordination. Establish a planning management information platform, unified management of various types of planning, tracking and monitoring the planning and implementation process, and promote the sharing of basic planning data and integration of collection. Sound planning implementation mechanism. Strengthen the guiding and binding nature of planning, development planning

Determine the major tasks, item by item decomposition and implementation, a clear subject of responsibility. Provincial financial funds are given priority to the major strategic tasks and major engineering projects identified in the development plan. Financial factor resources around the development plan objectives and tasks, optimize the allocation of direction and structure. Major productivity layout and land, environment, population, social and other public policies should be subordinate and serve the implementation of the development plan, the formation of policy synergy. Sound planning and implementation of the leadership responsibility system, the main comrades in charge of the party and government as the first responsible person. Provincial development and reform departments to take the lead in

coordinating the implementation of the plan, through the annual plan to break down the main objectives and key work.

Strengthen the supervision of planning assessment. Scientific annual monitoring and analysis, mid-term assessment, special assessment and summary assessment, a comprehensive grasp of the implementation of the plan, timely identification and resolution of outstanding issues in the implementation of the plan, reasonable adjustment of planning objectives and tasks, major policies, key projects. The implementation of the plan should be subject to the supervision and inspection of the provincial people's congress and its standing committee, and accept the democratic supervision of the CPPCC. Fully implement open government affairs and openness in all areas of work, and consciously accept the supervision of the masses and the supervision of public opinion.

The people of the province should closely unite around the Party Central Committee with Comrade Xi Jinping as the core, adhere to Xi Jinping's thought of socialism with Chinese characteristics in the new era as the guidance, unswervingly implement the decisions and plans of the Party Central Committee, under the strong leadership of the CPC Shandong Provincial Committee, with one heart and one mind, pioneering, in order to achieve "in the forefront, comprehensive

pioneering””, accelerate the construction of modernized and strong province in the new era!