

Sino Nordic Business Development Center **NEWSLETTER VOL3-2019**

China Launches the Second Batch of Prefabricated Building Demonstration Cities and Industrial Bases

In order to further improve the development level of prefabricated buildings, the Ministry of Housing and Urban-Rural Development recently issued a notice to launch the second batch of prefabricated building demonstration cities and industrial bases. The deadline for application is November 20, 2019.



The declared conditions for the prefabricated building demonstration city include: more than 10 leading enterprises such as prefabricated building development, design and construction, and more than 3 manufacturing enterprises of prefabricated building components, and over 500,000 m² of prefabricated construction projects, formulating short-term (3 years) development plan and medium and long term (5 years) plan.

The conditions for the application of the prefabricated construction industry base include: formulating the special development plan for the prefabricated building and the support policies, and preparing the short-term (3 years) and medium-and long-term (5-year) development plans for the prefabricated building base. The industrial base should have no less than four types of construction companies, including design, production, construction, assembly decoration, equipment manufacturing, building materials production, and scientific research and development.

Source: http://www.mohurd.gov.cn/wjfb/201910/t20191018_242321.html

9 Ministries Issued the "Opinions on Promoting the Treatment of Rural Domestic Sewage" to Identify 8 Key Tasks

On 11 July, the Central Agriculture Office, the Ministry of Agriculture and Rural Affairs, the Ministry of Ecology and Environment, the Ministry of Housing and Urban-Rural Development, the Ministry of Water Resources, the Ministry of Science and Technology, the National Development and Reform Commission, the Ministry of Finance, and the Banking Regulatory Commission jointly issued the "Opinions on Promoting the Treatment of Rural Domestic Sewage".

According to the Opinions, by 2020, in suburbs of eastern and mid-western cities with basic conditions, the rate of treatment of rural domestic sewage will be significantly improved. The situation of sewage flow and disorderly discharge in villages will be basically eliminated, and the operation and maintenance management mechanism will be basically established. In areas in mid-western regions with good foundation and basic conditions, the rural sewage discharges are effectively controlled, and the treatment achieve initial results. In remote and economically underdeveloped areas, the phenomenon of rural sewage discharge and discharge is significantly reduced.

The Opinions clarified 8 key tasks to promote the management of rural domestic sewage: Comprehensive understanding of the status quo, scientific preparation of action plans, rational choice of the technology model, promotion of the recycling of production and domestic water, speed-up of the standard revision, improvement of the construction and management mechanism, promotion of the rural toilet revolution, and promotion of the management of black and odorous water in rural areas.

Source: http://www.gov.cn/xinwen/2019-07/12/content_5408646.htm

Ministry of Finance, Development and Reform Commission, National Energy Board: No Renewable Energy Subsidy Catalogue will be Released

Recently, the Ministry of Finance, the National Development and Reform Commission, and the National Energy Administration have solicited opinions from relevant enterprises on the "Opinions on Promoting the Healthy Development of Non-Water Renewable Energy Power Generation" and the "Administrative Measures on Renewable Energy Price Surcharge". The document is clear about the current situation of subsidies and other related concerns of the industry.

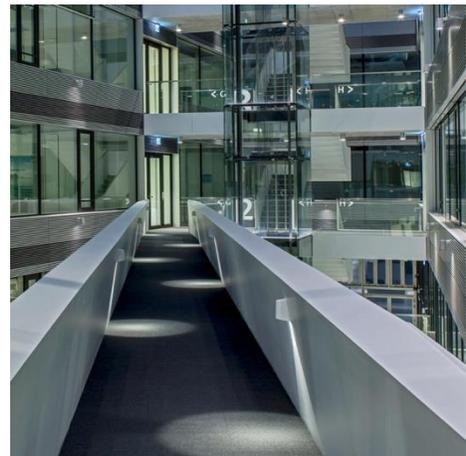
According to the draft for comment, the country will no longer publish a catalogue of renewable energy subsidies. All renewable energy projects will submit additional application information for electricity prices through the National Renewable Energy Information Management Platform. According to the principles determined by the Ministry of Finance and other departments, and according to the project type, grid connection time, technical level and other conditions, the grid company will determine the list of projects that are eligible for electricity price and the order of grant funds.

At the same time, the draft for comment is clear. The entry into the list of subsidy projects needs to meet several conditions: The project is involved into the scope of annual scale management (with indicators), the on-grid price is approved by the price department, the grid connection time meets the requirements, and the relevant procedures are reviewed by the National Renewable Energy Information Platform. Among them, projects such as photovoltaic poverty alleviation, natural person distribution, and voluntary participation in power market transactions can be given priority to funds. Projects that have entered the 1st-7th batches of catalogue are directly included in the list of subsidies for renewable energy power generation projects of power grid enterprises.

Source: <https://www.jiemian.com/article/3548292.html>

"Design Standard for Indoor Air Quality Control of Public Buildings" is Implemented from October 1, 2019

In order to ensure a healthy working and living environment, rational use of resources and energy conservation, and promotion of advanced technology applications, the Ministry of Housing and Urban-Rural Development of the People's Republic of China issued the "Design Standard for Indoor Air Quality Control of Public Buildings". This standard is applicable to the indoor air quality control design of public buildings newly built, expanded and rebuilt, and specifies the contents of indoor air quality, ventilation and purification systems, decoration and pollution control, monitoring and control system design. This standard has been implemented since October 1, 2019.



Source: http://www.mohurd.gov.cn/wjfb/201909/t20190911_241763.html

2019 Renewable Energy and Work Report

According to the International Renewable Energy Agency's (IRENA) 2019 Renewable Energy and Work Report, the renewable energy industry created 11 million jobs in 2018, 39% of which are in China. The global solar photovoltaic industry has created 3.6 million jobs. However, only 32% of renewable energy jobs are held by women.

Source: <http://www.199it.com/archives/908827.html>

Alipay Releases AI Green Travel Solution

On September 16th, at the 3rd Green Travel Summit, Alipay released the first AI green travel solution of the industry. Through cloud computing, AI, IoT, credit and other technologies, the solution will comprehensively improve the intelligent dispatching, customized travel, line network optimization and green travel in the public transportation field. According to Alipay, it is expected that smart travel based on scan code rides will cover the whole country within three years, serving more than half of Chinese people, making public transportation more convenient and making citizens' travel more green and environmentally friendly.

At the meeting, Alipay also announced the top ten green travel cities: Xi'an, Shanghai, Hangzhou, Nanjing, Lanzhou, Wuhan, Chongqing, Beijing, Tianjin, and Zhuhai.

Source: http://tech.cnr.cn/techgd/20190916/t20190916_524778404.shtml

New National Standards "Green Building Evaluation Standards" Fully Implemented

From August 1, 2019, the newly revised "Green Building Evaluation Standard" GB/T50378-2019 (hereinafter referred to as "New National Standard") officially began to implement. The "New National Standard" re-established the technical index system for green building evaluation, and replaced the original seven indicators system of "land saving, energy saving, water saving, material saving, indoor environment, construction management and operation management" with an easier-to-operate five major indicators of "durability, health and comfort, convenient living, resource conservation, and environmentally livable". In addition, the new standard has been revised and improved in terms of resetting the evaluation stage, adding new green building grades, stratifying the level requirements, optimizing the scoring evaluation method, and expanding the connotation of green buildings.

Source: http://www.sohu.com/a/313410529_756195

China's Organic Agriculture and Organic Industry will Usher in More Room for Development

In 2019, the launching ceremony of China's "Organic Publicity Week" was held in Beijing on September 23, and the latest annual "China Organic Product Certification and Organic Industry Development" report (hereinafter referred to as "Report") was released at the launching ceremony.

According to the report, in recent years, as consumers' demands for health and environmental protection continue to increase, the demand for organic products has risen markedly, and the production and consumption of organic products has grown rapidly. With the acceleration of China's

agricultural ecologicalization process, the transformation of conventional agriculture into organic agriculture or ecological agriculture will certainly become the future trend and direction. China's organic agriculture and organic industry will also usher in greater development space.



Up to now, there are 80 certification bodies in China that carry out organic product certification activities. The number of organic product certification issued in China is 19,365, of which 12,226 production enterprises in China have obtained 18,955 certificates, and 206 enterprises in 41 other countries have obtained 410 certificates. The northeastern and eastern coasts of China are the regions with the most organic product certificates. In recent years, the organic industries in the western regions such as Sichuan, Guizhou, Inner Mongolia, and Xinjiang, which have relatively underdeveloped economies, have also experienced rapid development.

Organic planting: The production area of organic plants is 4.11 million hectares, of which the wild collection production area is 975,000 hectares. The total output of organic plants was 13.356 million tons, of which the wild harvest was 370,000 tons.

Organic animal farming: Nearly 3.21 million organic sheep, nearly 880,000 organic cattle, nearly 240,000 organic pigs, and a total output of 5.182 million tons of livestock and animal products. The

total output of organic livestock was 384,100 tons, including 238,800 tons of organic cattle, 68,900 tons of organic sheep, 22,300 tons of organic pigs, 11,500 tons of organic chickens, and 2,571,400 tons of organic milk. The output of aquatic products is 559,500 tons, including 387,700 tons of aquatic plant products.

Consumption of organic products: In 2018, the output value of various organic products in China totaled 166.6 billion yuan, of which the highest value is organic processing products being 108.9 billion yuan, accounting for 65.4%. The number of organic product certification mark was 1.9 billion, and the number of organic product certification mark for sterilized milk was the highest, at 1.139 billion. The total sales volume of organic products issued was 699,400 tons, of which the sales volume of processed products was 626,100 tons, accounting for 90%.

Import and export of organic products: The overseas certification area of China's organic products is 119,000 hectares, the total output is 6.551 million tons, of which the production of sugar plants is 3.805 million tons, accounting for 58%. The total area of organic crops certified in China according to overseas organic standards is 355,100 hectares, the output is 5,737,900 tons, the total output of livestock and poultry products is 605,600 tons, the aquatic products are 14,400 tons, and the processed products are 11.843 million tons.

The sales of organic products was 63.147 billion yuan, of which organic processed products were 59.631 billion yuan, accounting for 94% of total sales. In 2018, the total export volume of organic products in China was 894 million US dollars, and the total trade volume was 705,100 tons.

Source: <http://news.aweb.com.cn/20190925/654844620.shtml>

"Near Zero Energy Building Technology Standard" Implemented from 1st September

On January 24, 2019, the Ministry of Housing and Urban-Rural Development issued the "Announcement on the issuance of the national standard "Near Zero Energy Building Technology Standards", and approved the "Near Zero Energy Building Technical Standards" as the national standard, numbered GB/T51350. -2019, and be implemented from September 1, 2019.

This standard is China's first national standard for leading building energy conservation. It was completed by the China Academy of Building Research and the Hebei Academy of Building Research in collaboration with 59 experts from 46 research, design and product manufacturing units.

The Standard combines China's climate characteristics, building types, energy use characteristics and development trends, draws on and absorbs the advanced experience of developed countries, and studies the completed zero-energy building demonstration projects in China to provide technical basis for achieving higher indoor environmental comfort and energy saving goals in China, and provide

technical support for the design, construction, testing, evaluation, adjustment and operation and maintenance of near-zero energy buildings in China.



The Standard defines for the first time related concepts such as ultra-low energy buildings, near zero energy buildings, and zero energy buildings in China. It clearly defines the binding control indicators including indoor environmental parameters and building energy consumption indicators, and proposes corresponding technical performance indicators, technical measures and evaluation methods to develop near-zero energy building calculation and evaluation tools.

The Standard will play an important role in regulating ultra-low-energy buildings and near-zero energy building markets, improving design levels, promoting energy conservation and emission reduction, improving work and living environment, and guiding related engineering standards and product standards.

Source: <http://house.people.com.cn/n1/2019/0911/c164220-31348021.html>

2019 Construction Expo was Successfully Held

China (Changsha) Prefabricated Building and Construction Technology Expo 2019 (referred to as the Construction Expo) was successfully held at the Changsha International Convention and Exhibition Center from October 15th to 17th. The exhibition area was 60,000 square meters, and more than 20 forums and events were held in the same period. The exhibition attracted participants from more than 10 countries and regions, housing construction departments from 12 provinces, municipalities and autonomous regions in China, 17 national prefabricated building demonstration city, 15 provincial departments, 14 cities and state delegations and 6 industrial parks.



The Construction Expo demonstrated the achievements of housing and urban construction in Hunan Province on the 70th anniversary of the founding of New China, as well as new concepts, new technologies and new technologies for residential construction, such as domestic and international prefabricated buildings, green buildings, high-tech buildings, urban and rural construction management and human settlements, full decoration and interior industrialization, international construction achievements, suitable housing, new green building materials, waterproof and thermal insulation coatings. Industry leaders at home and abroad focus on displaying advanced products, presenting top-notch technologies in the industry and sharing high-quality solutions in the construction industry.



More than 20 special events were held during the exhibition, and more than 120 academics and experts delivered keynote speeches. Through industry seminars, technical exchanges, project promotion, new product release etc, the intension was to promote prefab construction 4.0 in China and internationally. Also the purpose was to encourage collaboration across countries to deliver a roadmap for higher quality green construction in China.

New members of Sino Nordic Innovation Cluster

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