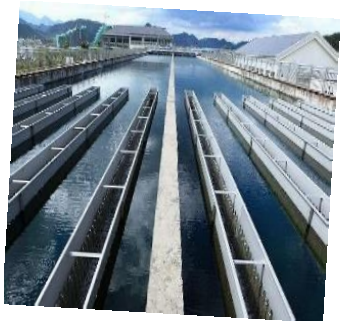

Water China

Newsletter October 2019

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Previous Event

Sino-Danish Sustainable Water Technology Summit
Grundfos Water & Energy Whitepaper Launch
September 17,2019

2019 年 9 月 17 日，丹麦出口协会与格兰富在丹麦王国驻华大使馆共同成功举办“中丹可持续水技术峰会”。2019 年，丹麦出口协会启动为期三年的“中丹 U-S-E 水项目”，旨在培养、建立和加强中国与丹麦水务技术的交流合作。基于协同效应，此次峰会与企业代表、行业专家和学者共同探讨中国水环境治理所面临的挑战，并分享新趋势、新技术和新思路。

On September 17, 2019, Danish Export Association and Grundfos successfully organized Sino – Danish Sustainable Water Technology Summit in Royal Danish Embassy Beijing. In the year of 2019, Danish Export Association launched its 3-year U-S-E Water Project, aiming to build and enhance the exchange and cooperation between China and Denmark in terms of water technologies. With shared values and objectives, Grundfos joined hand with DEA to discuss with

peers as well as academic experts and share the trend, new tech for inspiration.

丹麦王国驻华大使 Anders Carsten Damsgaard，丹麦出口协会首席执行官 Ulrik Dahl，中国环境保护产业协会副秘书长滕建礼与格兰富中国区总裁杨迎芳致开幕辞。十家来自丹麦水技术集团的公司分享了丹麦先进水技术的成功案例。

Ambassador Anders Carsten Damsgaard，Mr. Ulrik Dahl, CEO of Danish Export Association，Mr. Teng Jianli，Deputy Secretary General of China Association of Environmental Protection Industry and Ms. Catherine Yang, Regional Managing Director of Grundfos China made the opening speeches for the summit. Ten members from Danish Export - Water shared the successful case stories and experiences in this event.

作为全球水泵及水技术解决方案的领导者，格兰富携手全球领先的水务研究机构——国际水务智库 (GWI) 在峰会上正式发布《水美中国：共谱水与能源同美共生的可持续新未来白皮书》。该白皮书对中国水环境的现状和挑战进行了分析，并在城市“水-能源-气候变化“这一体系框架下对水环境治理的未来趋势进行了展望，旨在创建思想交流和碰撞的平台，为中国水环境治理提供一定的参考和借鉴。

As a global leader in pumps and water technologies, Grundfos has been playing a critical role in supporting China facing the water and environmental challenges. During the Summit, Grundfos also launched the White Paper “Water in China: Moving towards a sustainable future” together with Global Water Intelligence. The White Paper analyzes the current situation and challenges of the water environment, and prospects the future trends of the water management under the framework of “Water – Energy – Climate change”.

U-S-E Water Delegation Roadshow
September 16 -20, 2019

2019 年 9 月 16-20 日，丹麦出口协会携手 10 家丹麦水处理领域的优秀企业，在京沪两地进行了一系列访问交流活动，展示和介绍了丹麦在节能和可持续发展的先进技术和显著成果。

To further implement “U-S-E Water Project”, a delegation consists of ten world leading Danish suppliers had a one-week roadshow trip in Beijing and Shanghai from September 16th to 20th. Led by Danish Export Association – Water Group, more than 27 delegates paid a visit to the main players in the Chinese Water industry. Danish advanced technology and remarkable achievements of energy conservation, self-sufficiency and sustainability were impressed by the Chinese water companies, design institute and utility. It was agreed to have further technical exchange and follow up delegation to Denmark in the near future.

代表团一行拜访了北控水务集团有限公司，北京碧水源科技股份有限公司，上海市政工程设计研究总院（集团）有限公司，上海城投水务（集团）有限公司以及威立雅（中国）环境服务有限公司，就目前中国在水处理方面的国家政策，行业标准，发展趋势以及技术需求进行了分享交流，并针对各种当前热点进行了探讨。活动得到了中国环境保护产业协会，上海市环境保护产业协会的大力支持。

The event included visits to Beijing Enterprise Water Group Limited, Beijing Origin Water Technology Co., Ltd, Shanghai Municipal Engineering Design Institute (Group) Co., Ltd, Shanghai Chengtou Water Group Co., Ltd and Veolia (China) Environment Services Company Limited. The national policy, industry standard, development tendency and technical requirements were shared. Both sides had a comprehensive discussion for the interesting topics, e.g. non-revenue, energy conservation, etc.

此次活动是为期三年的“中丹 U-S-E 水项目”的良好开端，为中国企业打开了新的视野，提供了新的思路。期待未来中丹双方在水处理领域加深交流，建立更为紧密的合作，共同谱写水美中国的新篇章。

This was a benign start for the three-year "U-S-E Water Project". Both sides look forward in the coming days when China and Denmark could enhance communication, tighten partnership and write a new chapter about water treatment industry.

Participating companies:

- VandCenter Syd
- Grundfos Pumps (Shanghai) Co., Ltd.
- Danfoss Automatic Controls Management (Shanghai) Co., Ltd.
- Alfa Laval Shanghai Technologies Co., Ltd.
- Alfa Laval Copenhagen A/S
- Hempel (China) Management Co., Ltd.
- KD Group A/S, DWE
- Svend Hoyer Power Transmission (Ningbo) Co., Ltd.
- Aquaporin A/S
- Kamstrup A/S
- AVK Valves (Shanghai) Co., Ltd.

Case Story

Energy neutrality for the whole water sector – a dream or real life?

With the raising of energy conservation requirements, more and more facilities and plants emphasized on the energy neutrality during the process of wastewater treatment. Is it realistic to achieve energy neutrality for the whole water sector? What is the situation of energy neutrality now? Danfoss shared some specific cases with detailed data to illustrate the questions.

ENGINEERING TOMORROW

In recent years we have seen a few wastewater treatment facilities begin to get to the level of energy neutrality. Most common process is to digest the sludge and use the gas from the digester to generate electricity and heat. Where it is not possible to utilize both the electricity and heat for applications outside the wastewater treatment plant, cleaning the gasses and then injecting it into the natural gas network or using the gas in Busses and Lorries are other possible utilization methods, besides of course covering the heat and electricity need on the wastewater facility itself.

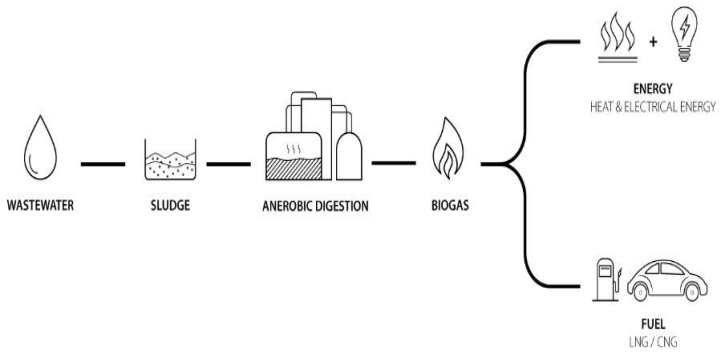


Fig. 1: Utilization of biogas from wastewater facilities

There are good reasons to work with these technologies as wastewater facilities and in fact the whole water industry is highly energy intensive. According to EPA in USA ~ 3 – 4 % of all electricity in the USA is used just for the water and wastewater handling facilities. UN claims that as much as 8 % of global electricity consumption is used for covering the need in the water and wastewater handling facilities. EPA also stated that ~ 35 % of local governments electricity bill is related to the water and wastewater operation, so a highly energy intensive industry.

Aarhus Water Ltd., a Water Service Company in Denmark's second largest city Aarhus, taking care of both Water and Wastewater handling, started a process 5 years ago to optimize their treatment facility even more. There has been special focus on a catchment area named Marselisborg, covering 200.000 people in the center of Aarhus.

It's a traditional city area, where water supply is based on groundwater supply, in average pump from 35 m depth's, and traditional household wastewater in a relatively flat geographic region.

On the water supply side, energy savings have been obtained by reducing leakage to 6 - 8 % (from above 14 %) and splitting the city into pressure zones. It's evaluated that there will be additional energy savings possibilities both related to a more optimal pumping of groundwater and even more energy optimal pressure zone management.

The Marselisborg wastewater facility is a traditional activated sludge treatment plant with mesophilic digestion based on household wastewater from Marselisborg catchment area. There is no FOG/external carbon added to the process neither is solar or wind energy utilized to generate energy. The typically outlet values is BOD5 (modified) ~ 2,4, TN ~ 7,1 mg/l and TP ~ 0,53 mg/l.
The wastewater facility has been upgraded with both more energy efficient equipment, but as important, with a complete computer control of the facility, based on online sensors. Key elements have been:

- Securing energy efficient bottom aeration based on e.g. regular maintenance of the aeration system
- Installation of High-Speed Turbo Blowers
- Installation of highly efficient CHP (Combined Heat & Power) station
- VSD/AC drive on all rotating equipment, totally 290 VSD's in the catchment arear

The facility is fully computer controlled and operated unmanned 15 hours a day.

On the control side, the key for the real-time control of the biological stage has been to operate blowers after a load-estimate, calculated from the on-line ammonium sensors and the in-coming flow. This result in typically DO values of 0,3 to 0,5 and simultaneous nitrification and denitrification. Together with automatic control of sludge age, based on VSD control of RAS pumps as well as effective carbon harvest in the primary sedimentation tanks a maximum of carbon are secured for the digesting and energy production process.

This resulted in 2014 into an energy production of:

- 130 % electricity (i.e. 30% more than used for operating the process)
- 2,1 GWh heat energy (used in local district heating network)

equal to a total energy production of 192 %. The 192 % energy covers 94 % of all energy used for water supply production, water distribution, wastewater pumping and wastewater treatment in the 200.000 PE catchment area. (See also table 1)

During end of 2015 the anammox process has been implemented for treating the reject water and an additional, highly efficient CHP motor has been installed, which is expected to result in an even higher energy production sufficient to cover the entire need for energy for the whole water cycle of the Marselisborg catchment area. The first 6 months of 2016 the WWTP have produced ~ 219 % energy, which mean the catchment area are energy neutral. (See Table 1)

Table 1.: Energy consumption and production overview for Marselisborg catchment area.

	Status 2014	Goal 2016
Energy consumption		
Water treatment, distribution [kWh] (avg. 0.51kW/m3,high)	2,942,547	2,827,000
Wastewater transport [kWh]	620,567	597,000
Marselisborg WWTP [kWh] (BOD_5=1.3/NH3=0.27/TP=0.21)	3,397,698	3,164,000
Total energy consumption [kWh]	***6,960,812***	***6,588,000***
Energy production		
Electricity production [kWh]	4,410,659	5,311,000
Heat production [kWh]	2,114,510	2,115,000
Total energy production [kWh]	***6,525,169***	***7,426,000***
Own energy supply degree		
Wastewater treatment [%]	192	235
Wastewater transport and treatment [%]	162	197
Total Marselisborg catchment [%]	***94 %***	***113 %***

Aarhus water is in process of upgrading the next catchment area, Egaa, which is smaller area, covering equal to 120.000 people. Same performance as in Marselisborg are expected to be obtain even though the Egaa facility only is half size.

VCS (Water Center South) covering Denmarks third largest city, Odense, is producing similar results.

In conclusion, it has been proven, that based on introducing cost effective energy saving across the whole water cycle and producing energy "only" from traditional household wastewater, it's possible to make the whole water cycle in a catchment area completely energy neutral, without adding external carbon or using wind or solar energy.

The ROI has in average been less than 5 years for the upgrade of the Marselisborg facility.

Source from Danfoss

China Water Dynamics

Water Policy

浙江省出台全国首部农村生活污水处理设施管理条例
Zhejiang province published China's first Management Regulation about Rural Domestic Sewage Treatment Facilities

September 27, 2019

浙江省十三届人大常委会第十四次会议通过了《浙江省农村生活污水处理设施管理条例》。这是全国首部专门针对农村生活污水处理设施管理的立法，对农村生活污水处理设施的建设改造、运行维护及其监督管理作出了全面的规定，填补了农村生活污水处理设施管理没有直接法律依据的空白。

On the 14th meeting of the 13 session of standing committee of Zhejiang province, the 'Management Regulation about Rural Domestic Sewage Treatment Facilities' was approved. This is the first legislation specifically targeting the management of rural sewage treatment facilities in China, which made comprehensive provisions on the construction and renovation, operation and maintenance, supervision and management of rural sewage treatment facilities and provided the direct legal basis in this field.

山东发布《农村生活污水处理处置设施水污染物排放标准》
Shandong issued Discharge Standard of Water Pollutants for Rural Sewage Treatment Facilities

September 27, 2019

山东省生态环境厅和省市场监管局联合发布了《农村生活污水处理处置设施水污染排放标准》（DB37/ 3693-2019），将于2020年3月27日实施。标准针对山东省农村在地形、规模、经济状况等方面存在差异的现状，充分考虑各种技术所能达到的污染控制水平，兼顾农村地区的经济承受能力和管理水平，依据农村生活污水处理处置设施规模以及出水去向，将标准分为二级。

Shandong Ecological Environment Office, associated with Market Supervisor Administration issued 'Discharge Standard of Water Pollutants for Rural Sewage Treatment Facilities' (DB37/ 3693-2019), which will come to effect on March 27, 2020. The discharge standard was divided into two levels, according to the difference in terrain, size and economic situation of Shandong province, the level of pollution control that various technologies can achieve, the economic bearing capacity and management level of rural area, the scale of rural sewage treatment facilities and the place that the treated sewage goes.

福州沿河污水处理出水口实行挂牌管理
Fuzhou implements listing management for sewage treatment outfall along the river

September 25, 2019

《福州市城市内河管理办法实施细则》近日印发执行，城市内河管理范围内的沿河市政污水处理设施出水口、雨水排放口实行挂牌管理制度，涉及五城区119条内河湖体。

The Detailed Rules about the Implementation of the Management Measures of Fuzhou Urban River was issued and executed. The listing management policy will be applied to the outfalls of municipal wastewater treatment facilities in the management area of urban river and the stormwater outfalls. It involves 5 districts and 119 rivers and lakes.

重庆市印发城镇污水处理提质增效三年行动实施方案 （2019-2021）
Chongqing issued the Three-year Action Plan for Improving the Quality and Efficiency of Urban Sewage Treatment

September 24, 2019

重庆市住房城乡建委、市生态环境局、市发改委日前联合印发《重庆市城镇污水处理提质增效三年行动实施方案（2019-2021）》。该实施方案提出，经过三年努力，实现全市城市（含县城）建成区基本无生活污水直排口，基本消除城中村、老旧城区和城乡结合部生活污水收集处理设施空白区，基本消除城市黑臭水体, 城市生活污水集中收集效能显著提高的目标。

Chongqing's Department of Housing and Urban Development, Department of Ecological Environment, together with the Development and Reform Commission issued the Three-year Action Plan for Improving the Quality and Efficiency of Urban Sewage Treatment (2019-2021). The Plan aims to eliminate the direct discharge outfalls for domestic sewage in the whole city (including towns), to basically eliminate the gap in domestic sewage collection and treatment facilities in urban village, old town and urban fringe area, to basically eliminate the urban black-odour water and to improve the collection efficiency of urban sewage.

《榆林市无定河流域水污染防治条例》正式发布
'Regulations on prevention and control of water pollution in Wuding River Basin in Yulin' was officially issued

September 23, 2019

《条例》根据《环境保护法》《水污染防治法》等法律法规，结合榆林市的实际情况，对无定河流域水污染防治、监督管理、饮用水水源和水生态保护以及法律责任等进行了具体的规定。.

In accordance with the Environmental Protection Law, the Law of Prevention and Control of Water Pollution and the actual situation of Yulin, the regulations specify the prevention and control of water pollution in the Wuding River basin, supervision and management, protection of drinking water sources and water ecology, and legal responsibilities.

住建部发布《农村生活污水处理工程技术标准》
Nanjing issued Action Plan for Provincial and Above Level Industrial Park Wastewater Treatment Facilities Regulation Special Operation

September 12, 2019

近日，住建部发布《农村生活污水处理新技术标准》，标准将于2019年12月1日实施。该《技术标准》包含设计水量和水质、污水收集、污水处理、施工验收、运行管理维护等内容。强调了农村污水收集管网的重要作用，建议根据位移和坡度确定管道直径和流量，并制定管道和检查井的管理规定，此外也对具体工艺参数进行了优化，以适应我国农村污水的特点。

Recently, Ministry of Housing and Urban-Rural Development of the People's Republic of China issued New Technical Standard of Rural Sewage Treatment. The standard will come effect on December 1, 2019. It contains of design water quantity and quality, wastewater collection, construction and acceptance, operation, maintenance and management. It emphasized the important function of pipe network for wastewater collection, suggested to identify the diameter and flow capacity of the pipe according to the displacement and slope and made the management regulation about pipeline and manhole. In addition, it optimized the specific technical parameters to adapt the peculiarity of rural sewage in China.

Water Market

碧水源与中国市政工程东北院签署战略合作协议
Origin Water signed strategic cooperation agreement with China Northeast Municipal Engineering Design & Research Institute Co., Ltd.

September 30, 2019

碧水源 OriginWater

9月26日，碧水源与中交集团管理的中国城乡控股集团全资子公司中国市政工程东北设计研究总院有限公司在北京签署战略合作协议。双方将秉承“优势互补，互利共赢”的合作原则，在国内外给水排水工程，水环境综合治理，海水淡化及农村水环境治理等项目加强合作，相互协同配合，实现共同发展。

On September 26, Origin Water signed strategic cooperation agreement with China Northeast Municipal Engineering Design & Research Institute Co., Ltd in Beijing. Both sides will adhere to the principle of "complementary advantages and win-win cooperation", enhance the cooperation and coordination in domestic and foreign water supply and drainage projects, water environment comprehensive treatment, desalination and rural water environment treatment projects.

中国节能与银川市签订战略合作框架协议，五年内投资200亿
China Energy Conservation and Environmental Protection Group signed strategic cooperation framework agreement with Yinchuan and planned to invest 20 billion in the next five years

September 29, 2019

CECEP

9月27日至28日，中国节能环保集团有限公司总经理余红辉一行赴银川，参加战略合作框架协议签约仪式。根据协议，双方将在区域节能环保规划等五个领域全面深入合作，计划三年内投资100亿，五年内投资200亿，探索树立黄河流域政府与企业协同推进大治理的新标杆。

A delegation led by the Yu Huihong, general manager of China Energy Conservation and Environmental Protection Group went to Yinchuan to attend the signing ceremony of the strategic cooperation framework agreement with Yinchuan government. According to the agreement, both sides will have deep cooperation in five fields such as regional energy conservation and environmental protection planning. They planned to invest 10 billion in three years and reach 20 billion in five years, to explore and set up a new benchmark about the cooperation between government and enterprise in the treatment & management of Yellow River basin.

总投资近11亿，安徽涉水PPP项目引13家联合体
13 consortiums are shortlisted for the Water-related PPP in Anhui with total investment of RMB 1.1bilion

September 29, 2019

安徽铜陵东部城区生态水环境综合治理及配套设施工程PPP项目发布资格预审结果，13家联合体入围。该项目建设内容包括河湖生态环境整治项目、城市休闲绿地及配套路网工程、环湖路网工程、污水厂建设。项目费用总计108505.5万元，其中工程费用82215.2万元。

The prequalification results of PPP project of ecological water environment comprehensive treatment and supporting facilities in eastern city of Anhui Tonglin was released, totally 13 consortiums are shortlisted. The construction content of the project includes improvement project about river and lake ecological environment, urban leisure green space and supporting road network project, project of road network around lake and construction of wastewater treatment plant. The total cost of the project is RMB 1085.055 million, and the construction cost of the project is RMB 822.152 million.

中国铁建投资集团中标首个水环境治理项目
China Railway Construction Investment Group won their first water environment treatment project

September 25, 2019

中国铁建投资集团作为联合体牵头人成功中标首个水环境治理项目—廉江市生活污水处理设施整体捆绑PPP项目。该项目总投资12.06亿元，项目合作期为30年，其中建设期1年，运营期29年。整个项目建设范围涉及廉江市城区和18个镇区，建设17座镇区生活污水处理厂、2座工业污水处理厂，日污水处理12.34万立方米。

As the led of consortium, China Railway Construction Investment Group won their first water environment treatment project: integrated PPP project about domestic wastewater treatment facilities in Lianjiang. The total cost of the project is RMB 1.206 billion. The cooperation term is 30 years, 1 year for construction and the rest 29 years are operation period. The projects involve the urban area and 18 towns of Lianjiang. 17 domestic wastewater treatment plants and 2 industrial wastewater treatment plants will be built. The capacity of wastewater treatment will be 123400 m^3 /day.

滇池水务与昆明水务局签订再生水利用特许经营协议
Kunming Dianchi Water Treatment Co., Ltd signed the agreements about the franchise of regenerated water

September 25, 2019

昆明滇池水务公布，获云南省昭通中心城市第一、二污水处理厂项目特许经营协议，拟投资约6.61亿元人民币，对昭通第一污水处理厂进行提标改造及新建第二污水处理厂主干管建设及污泥处置工程等。

Kunming Dianchi Water Treatment Co., Ltd announced that they won the franchise right for the No.1 and No.2 wastewater treatment plants project in central cities of Zhaotong, Yunnan. A total amount of RMB 0.661 billion will be invested to upgrade Zhaotong No.1 wastewater treatment plant and set up No.2 wastewater treatment plant with the construction of main pipelines and sludge treatment projects.

国内首个世行贷款的水环境治理PPP项目发布意向征集公告
China's first water environment improvement PPP project which loaded from the World Bank published the intention collection announcement

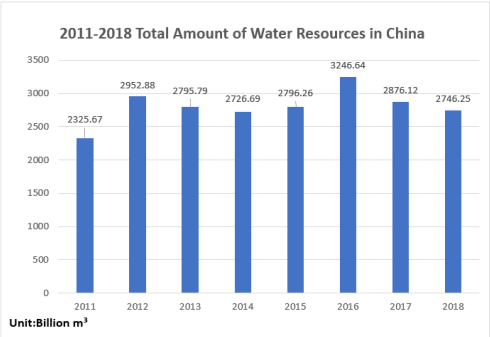
September 6, 2019

9月5日，四川省德阳市旌阳区水环境治理PPP项目发布意向书征集公告。这是国内第一个世界银行贷款下的水环境PPP项目。该项目运营期限为25年，覆盖人口约为38万。项目目标是：整合水净化基础设施，包括水源地保护区；扩大供水及污水的服务覆盖范围；以及提高供水/处理服务水平，以符合相关政策和标准。

On September 5, Sichuan, Jinyang water environment improvement PPP project published the intention collection announcement. This is the first water environment PPP project in China which is loaded from the World Bank. The operation term of the project is 25 years, covering about 380000 population. The project targets to meet the demands of relevant policy and standard by integrating water purification infrastructure, including protected watershed, extending the service area of water supply and improving the level of water supply and treatment.

Water Market Watch

2018年中国污水处理行业厂家数量约3920个，政策扶持将给污水处理企业带来机遇
There were 3920 wastewater treatment companies in 2018
The policy support brings chances to enterprises in wastewater treatment industry



2018年，全国水资源总量为27462.5亿立方米，与多年平均值基本持平，比2017年减少4.5%。其中，地表水资源量26323.2亿立方米，地下水资源量8246.5亿立方米，地下水与地表水资源不重复量为1139.3亿立方米。

In 2018, the total amount of water resource in China was 2746.25 billion m^3, with a decrease of 4.5% compared to 2017, almost flat with the average amount of the previous years, in which surface water was 2632.32 billion m^3, groundwater resource was 824.65 billion m^3. And the unduplicated amount of groundwater and surface water was 113.93 billion m^3.

2018年，全国供水总量6015.5亿立方米，占当年水资源总量的21.9%。其中，地表水源供水量4952.7亿立方米，占供水总量的82.3 %；地下水源供水量976.4亿立方米，占供水总量的16.2%。与2017年相比，供水总量减少27.9亿立方米;其中，地表水源供水量增加7.2亿立方米，地下水源供水量减少40.3亿立方米。

The total amount of water supply in China in 2018 was 601.55 billion m^3, occupied 21.9% of the water resource this year, in which the surface water supply amount was 495.27 billion m^3, accounting for 82.3% of the total amount; the groundwater supply was 97.64 billion m^3, accounting for 16.2% of the total amount. Comparing to 2017, there was a decrease of 2.79 billion m^3. The surface water supply had an increase of 0.72 billion m^3, and the ground water supply amount was decreased by 4.03 billion m^3.

2017年年末，全国县城共有污水处理厂1572座，比上年增加59座，污水厂日处理能力3218万立方米，比上年增长6%，排水管道长度18.98万公里。根据历年数据和规划进行测算，2018年县城污水处理厂数量会略有提升，达到1620个，污水厂日处理能力达到3300万立方米/日左右。总体来看，县城污水处理能力仍然较弱。

By the end of 2017, there were totally 1572 wastewater treatment plants, increased 59 than 2016. The daily capacity was 32.18 million m^3, increased 6%. The length of drainage pipeline was 189,800 km. According to the statistics and planning, in 2018, the number of wastewater treatment plants in the county would be slightly increased to 1620, with a daily treatment capacity of 33 million m^3. Overall, the treatment capacity in the county was still weak.

目前环保机械产品的国际贸易市场基本仍为发达国家所占领，中国市场重要领域也被国外技术产品所垄断。虽然国产设备优势较多，但进口设备仍占据中国大量市场份额。

At present, the international trade market of environmental protection machinery products is still occupied by developed countries, and the important fields of the market in China are also dominated by foreign technologies. Although there are more advantages of domestic equipment, imported equipment still occupies a large market share in China.

污水处理行业发展受国家政策导向影响较大，行业政策在一定程度上决定着污水处理市场的规模及未来的市场发展空间。随着《水污染防治计划的》的发布施行，各省市纷纷出台了关于污水处理提质增效的行动计划，这意味着市场对于污水处理技术，设备、产品以及解决方案仍有极大的需求量。此外，各类PPP项目的设立也刺激着市场持续活跃。这无疑会给企业带来更多的机遇和更好的发展。

The development of wastewater treatment industry is greatly influenced by national policy guidance. To a certain extent, industry policy determines the scale and the development space of the market in the future. With the issue and implementation of 'Action Plan for Prevention and Control of Water Pollution', many provinces and cities issued their action plans to improving the quality and efficiency of sewage treatment. This indicated the great demand of technology, equipment, products and solution in wastewater treatment industry. Besides, the set up of various PPP projects continuously stimulated the market to keep brisk. All these will bring more chances and better development to enterprises in water industry without any doubts.

Source from Beijixing.com & h20-China.com

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Contact

Angela Zhang
Chief representative of Danish Export Association China
angela.zhang@dk-export.dk
Tel: +86 21 6279 2090
Fax: +86 21 6279 0561
Address: Rm 1703, 1277 Beijing Xi Rd, Shanghai

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