

## **Report for Developing Waste Management in China in NPC&CPPCC (March 2016) During the China 13th Five-year Development Plan**

(source: <http://www.cppcc.gov.cn>  
<http://www.hbzhan.com/news/detail/99449.html>;  
[http://ecep.ofweek.com/2016-02/ART-93011-8470-29062336\\_2.html](http://ecep.ofweek.com/2016-02/ART-93011-8470-29062336_2.html);  
China Solid Waste Treatment Industry Market Research and Investment  
Forecast Report, 2016-2020;

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In the ongoing NPC&CPCC(National People's Congress &Chinese People's Political Consultative Conference) of China, waste management is becoming one of the important issues to be discussed during the congress, in which representatives from 17 different provinces will propose their perspective for waste management.

Waste management industry is not only needed for improving the Chinese environment, but is also considered to be a " hot " industry for the China's economy during the "China's 13th five-year development Plan (from 2016 to 2020).

At present, the storage of China's cities landfills amounts to more than 8 billion tons, covering an area of more than 530 square kilometers (about 15 tons/square meter). The MSW output is still growing at the rate of 5% to 8%, growing at the rate of 4.8% per year on average.

Compared with landfill technology, waste-to-energy technology not only can greatly reduce the volume of the waste and produce electricity, but also avoid the secondary pollution for groundwater and soil. The WTE technology can also solve the problem of the scarcity of urban land for landfills and conserve arable land in China.

According to the director of the Environmental Health Engineering Technology Research Center, Ministry of Housing and Urban-rural Development, Mr.Wenlong Xu, the hazard-free treatment rate of MSW in China's cities has reached to 89.3% of the total MSW generated, of which 70% is landfilled and 25% to 28% goes to combustion.The current waste combustion (with energy recovery) rate was 25.6%. During the period of "the 13th five-year development plan, waste to energy (WTE) incineration will increase further.

According to the agency of CAFEP (Chinese Academy For Environmental Planning), during the period of "the thirteenth five-year development planning" environmental protection investment is expected to increase to about 330 billion dollars per year. The total investment for environmental industrial will be about 2.7 trillion dollars during the period of "the thirteenth five-year development planning". According to the industry development, the next few years solid waste market scale will account for around 30% of the total investment amount spent on environmental protection. The present rate is about 24% of total and, according to estimates, during "the thirteenth five-year

development planning”, investment in the solid waste management industry will range between 700 to 850 billion dollars. Therefore, the scale of the market for China’s solid waste treatment industry will reach 1500 billion dollars by 2020.

Investment in total environmental protection and in solid waste treatment in China from “10th five-year” to “13 five year” plan

