



## **Towngas joins hands with Nethersole Hospital to turn waste into energy using the CHP Generating System**

(24 January 2017) The Hong Kong and China Gas Company Limited (Towngas) introduced the Combined Heat and Power Generating System (the CHP Generating System) in collaboration with Alice Ho Miu Ling Nethersole Hospital (Nethersole Hospital). The launching ceremony of this System was held today. With the CHP Generating System, the flue gas and residual heat from cooling water produced by the landfill gas generator installed in Nethersole Hospital will be recovered to produce steam and hot water for disinfection, laundry and other purposes in the Hospital to realise the green concept of “turning waste into energy”.

Striving to protect the environment, Towngas is constantly looking into the possibility of implementing environmental projects in different areas, and its engineering team has conducted a feasible study on utilising landfill gas from the Northeast New Territories (NENT) landfill site as the energy for the generator. With continuous efforts, the Company has successfully developed the CHP Generating System which can help Nethersole Hospital reduce energy cost and the money saved will be used for patient service.

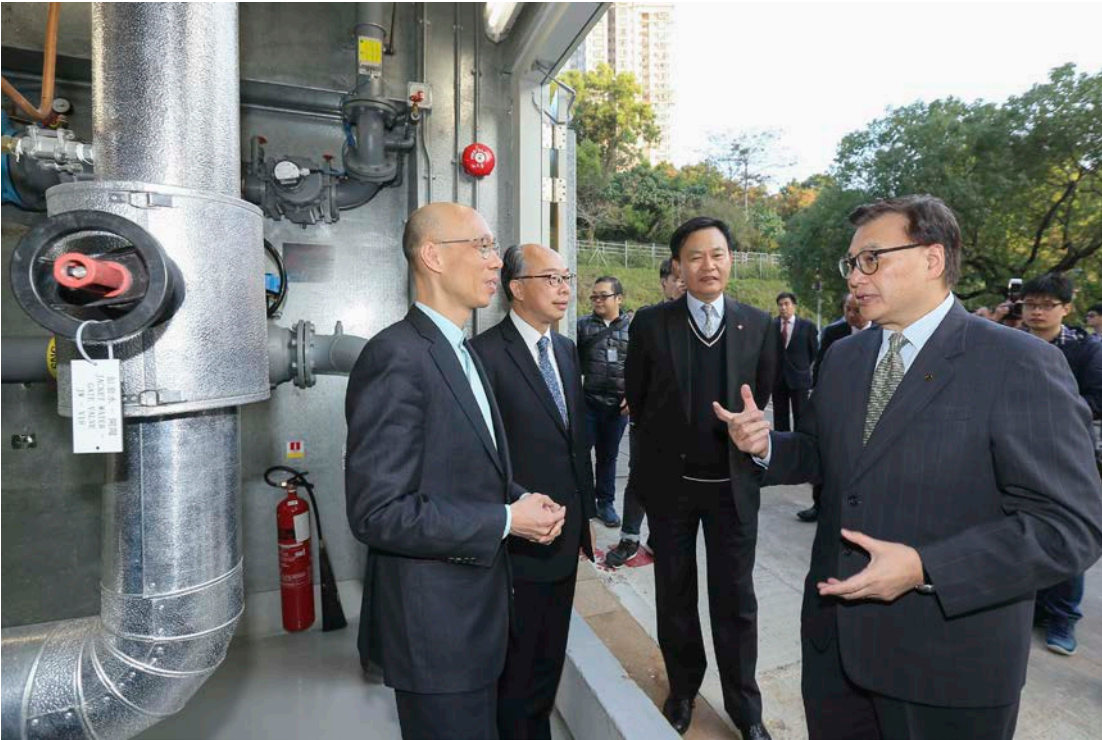
Towngas Managing Director Alfred Chan was delighted with the launch of the System. He said, “The CHP Generating System, which is powered by landfill gas, is an environmental project developed and constructed by Towngas. The System is the first of its kind in Hong Kong, and one of Towngas’ pilot projects to promote environmental protection. It is expected that gas consumption in the Hospital can be decreased by about 25% with the application of the CHP Generating System, and the annual carbon emissions will also be reduced by about 2,000 tons, equivalent to the planting of 86,620 trees every year, which accounts for 12% of the Hospital’s total emissions. This project can help improve air quality to create green environment.”

Mr Chan also pointed out that the landfill gas used by this System came from the NENT landfill site. In 2007, Towngas began collecting landfill gas from the NENT landfill site for gas production. From 2007 until now, the NENT landfill gas utilisation project has cut the emission of carbon dioxide by 326,500 tons. We hope that the CHP Generating System can make the best use of the treated landfill gas recovered from landfill site to reduce the negative impact of landfill gas to the environment. Therefore, Towngas extended the pipeline which transfers landfill gas to Tai Po Production Plant and constructed a 650 meters long sub-pipeline to supply landfill gas to Nethersole Hospital as the energy for the generator.

As a responsible energy supplier caring for the environment, Towngas will make persistent efforts to explore the possibility of implementing environmental projects in different areas. Looking to the future, Towngas will grasp the opportunities to introduce more projects on “turning waste into energy” to cater for the customers’ needs.



The Secretary for the Environment Wong Kam-sing (fifth from left), Chief Executive of Hospital Authority Leung Pak-yin (sixth from left), Hospital Chief Executive of Alice Ho Miu Ling Nethersole Hospital and Tai Po Hospital Man Chi-yin (fifth from right), Towngas Managing Director Alfred Chan (second from left), Towngas Executive Director and Chief Operating Officer–Utilities Business Peter Wong (fourth from right) and Towngas Head of Commercial–Hong Kong Utilities Peter Wong (first from left) took a group photo with the other officiating guests.



Towngas Managing Director Alfred Chan (first from right) explained the operation of the CHP Generating System to the Secretary for the Environment Wong Kam-sing (first from left), Chief Executive of Hospital Authority Leung Pak-yin (second from right) and Director of Electrical and Mechanical Services Frank Chan (second from left).

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