

CONTROLLING OFFICER'S REPLY

FHB(FE)304

(Question Serial No. 4542)

Head: (49) Food and Environmental Hygiene Department

Subhead (No. & title): (-) Not specified

Programme: (2) Environmental Hygiene and Related Services

Controlling Officer: Director of Food and Environmental Hygiene (Miss Vivian LAU)

Director of Bureau: Secretary for Food and Health

Question:

In connection with the Department's efforts to "apply new technology to enhance environmental hygiene services", please advise on the expenditure, the items involved and the details over the past 5 years. Please set out the relevant information, including the descriptions, quantities and prices of the items of new technology procured. What is the estimated expenditure for 2020-2021?

Asked by: Hon KWOK Ka-ki (LegCo internal reference no.: 123)

Reply:

The Food and Environmental Hygiene Department has been proactively applying technologies to enhance environmental hygiene services through the use of machines and automation. A summary of the technologies being used or piloted is provided at Annex.

The total expenditure from 2017-18 to 2019-20 was \$80 million and the estimated expenditure for 2020-21 is \$140 million.

Application of Technologies in Enhancing Environmental Hygiene

- (a) **Internet Protocol (IP) Cameras**
IP cameras have been installed at over 150 illegal refuse deposit spots across the territory, and the number will progressively increase to over 300 by mid-2021.
- (b) **360 Degrees Cameras**
360 degrees cameras have been installed at 15 Marine Refuse Priority Sites on a trial basis since March 2020.
- (c) **Solar-powered Aluminium Refuse Collection Points (RCPs)**
Solar-powered aluminium RCPs were put on trial at 26 rural sites from September 2019 to February 2020. The effectiveness is being assessed.
- (d) **Atomised Ozonated Water Technology**
The Atomised Ozonated Water Technology is currently put on trial at RCPs to abate odour.
- (e) **Mini-mechanical Sweepers**
Mini-mechanical sweepers have been used for street cleansing in designated areas of Tai Po and Yuen Long Districts. As the results are found satisfactory, suitable locations in other districts are being identified for their wider use.
- (f) **Solar-powered Compacting Refuse Bins (CRBs)**
Solar-powered CRBs with an improved design have been put on trial since April 2019. The effectiveness is being assessed.
- (g) **Street Leaf Vacuum Cleaners**
A trial run of street leaf vacuum cleaners at suitable locations in the New Territories is planned for the second quarter of 2020.
- (h) **Solar-powered Mobile Refuse Compactors (MRCs)**
Solar-powered MRCs were put on trial in Tai Po District from May to June 2019. As the preliminary results are found satisfactory, a further trial will be conducted at suitable RCPs in rural areas of Yuen Long District in mid-2020.

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