

Legislative Council Panel on Housing

Performance of Environmental Targets and Initiatives in 2010

Purpose

This paper aims to brief members on the performance of the Hong Kong Housing Authority (HA) in respect of its environmental targets and initiatives in 2009/10.

Background

2. In 1999, the HA established its Environment Policy to promote healthy living and a green environment. In addition to complying with environmental legislation and regulations, we have developed a strategic framework and implement environmental management strategies for the promotion of sustainable development on various fronts including at our construction sites, in estates and among our staff. We address environmental concerns, minimize environmental impacts, incorporate environmental initiatives, and develop green procurement policies throughout our planning and design, construction and demolition, marketing and estate management activities.

Progress

3. To effectively manage the overall implementation of the Environment Policy, we established environmental targets and initiatives at the beginning of each fiscal year and stocktaking their performance quarterly for monitoring purposes. This year, we have set out 6 environmental aspects with 27 targets on Energy Saving Measures, Noise Control, Waste Management, Water conservation, Estate Greening and Landscaping, and Material Usage. Details of our performance on each aspect are at **Annex 1**. A summary of the environmental performance statistics for nine quantifiable targets as compared with the respective key performance indicators is at **Annex 2**.

Way Forward

4. We have set out challenging yet realistic targets to gauge our performance for 2010/11 and will make every effort to achieve the various environmental, social and economic targets to maintain a sustainable public housing programme for Hong Kong.

5. Members are invited to note the performance of the HA in respect of its environmental targets and initiatives in 2009/10.

**Transport and Housing Bureau
February 2011**

Our Environmental Performance

We have set 27 environmental targets for the fiscal year 2009/10, including energy efficiency, air quality, greening and landscaping, noise control, waste management, water conservation, material usage and control of hazardous materials. All of these targets were fully met. Our environmental performance for this year is outlined below.

(A) Utilisation of energy saving measures and appliances to reduce energy consumption

1. We obtained 54 Energy certificates for 20 completed domestic blocks.
2. We explored and studied application of more energy efficient equipment by completing trial installation of light-emitting diode (LED) lighting installation at Lam Tin Phase 7 & 8.
3. We consumed 38 149 725 kWh of electricity in 2009/10 which was about 1% reduction from 2007/08 and 1.6% reduction from 2008/09 in the total electricity use of our offices.
4. We explored and studied application of green design for building services equipment by completing the first trial photovoltaic (PV) Panel system at Lam Tin Phase 7 & 8.

(B) Implementation of noise mitigation measures to minimise noise nuisance

5. The entire water pump replacement programme was completed in the year 2009/10.

(C) Implementation of waste management to minimise the waste generation and material consumption

6. We recovered 17 935 tonnes paper, 520 tonnes aluminium cans, 1 218 tonnes plastic bottles and 775 tonnes used clothes for recycling in public rental housing (PRH) estates as at 31 March 2010.
7. The average domestic waste production from our residents was 0.6955 kg/person/day in 2009/10 through the implementation of various waste recycling and recovery initiatives in PRH estates.
8. The Programme on Source Separation of Domestic Waste has been fully implemented in all 153 PRH estates under HA.

9. In 2009/10, we consumed 132 308 reams of paper representing a decrease of 1.9% as compared with the consumption in 2007/08 and a decrease of around 2% as compared with that in 2008/09.
10. The quantity of waste paper collected in our offices in 2009/10 was 24.6 kg per staff which was 42% higher than the set target.
11. We have been using environment-friendly paper as a prerequisite requirement in all printing jobs.
12. We enhanced community awareness on environmental protection by launching campaigns to promote waste reduction and recycling in PRH estates and joint programmes with green groups and Estate Management Advisory Committees (EMAC), including distributing environmental publicity materials to tenants.

(D) Installation and utilisation of water reduction facilities to minimise water consumption

13. We reduced flushing water consumption by conducting a pilot project at Shek Lei Phase 10 and conducting performance reviews.
14. The re-plumbing programme was completed and a reduction of 0.21% water consumption was recorded by end of February 2010.
15. In 2009/10, the water consumption in the Housing Headquarters was 14 224 cubic metres, which had been decreased by 5% as compared with the target consumption of 14 980 cubic metres.

(E) Enhancement of estate greening and landscaping to improve amenity comfort and the quality of our estates

16. In 2009/10, all the newly formed slopes with green treatment covered a total area of 6 470 square metre and we had planted around 13 760 trees, 673 100 shrubs and 205 620 annuals in our PRH estates.
17. All completed planting works surveyed up to date met the minimum of 1 tree per 15 PRH flats target.
18. Improvement works to upgrade the existing landscape were completed in 18 estates through the Landscape Improvement Programme.

19. We promoted our residents and the community to participate in early plant raising for new housing estates.
20. We promoted a green environment at 20 estates with EMAC support through the provision of green activities in these estates.
21. We promoted community involvement in greening of 3 new PRH by introducing planting areas in master landscape layout plan in design stage.
22. We promoted community participation in greening of existing PRH estates by developing community gardens in 5 estates.
23. 10 slopes at 5 estates were improved by broadcast seeding and provision of planters and shrubs.
24. We completed a colourful Ixora Garden in Lung Hang Estate and a Scented Plants Garden in Shek Pai Wan Estate.
25. We increased tenants' awareness and support of green by organising tree planting days in 3 estates.

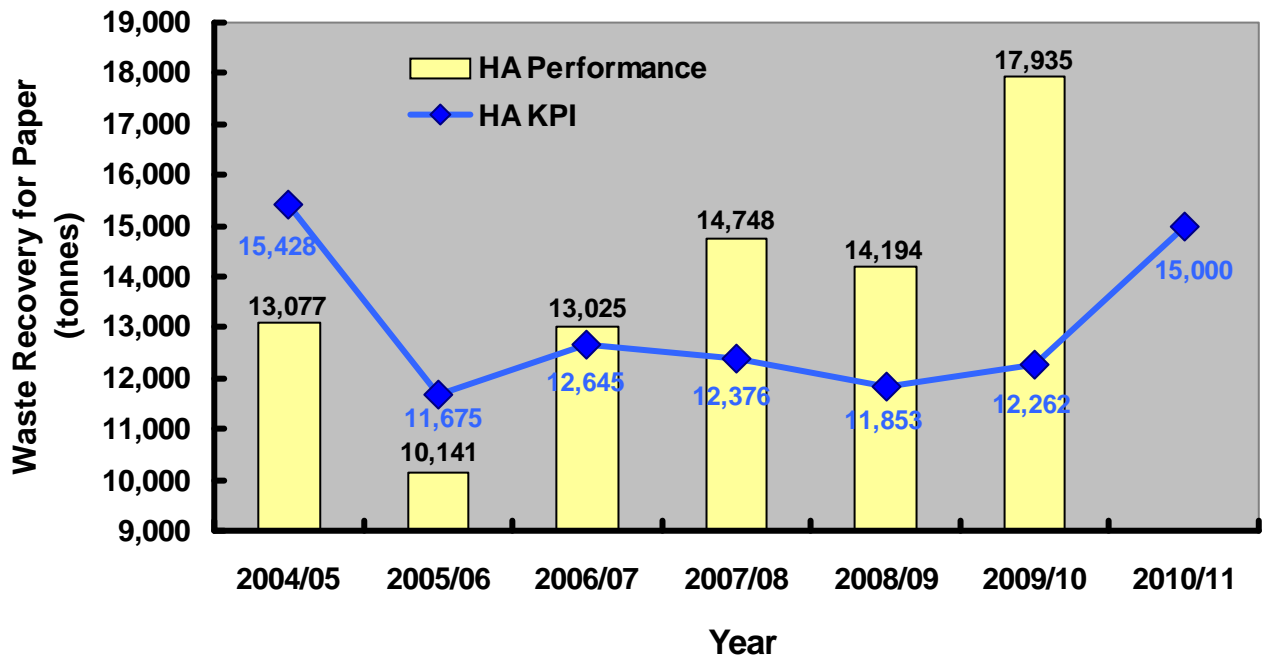
(F) Utilisation of environment-friendly materials to conserve resources

26. We had demolished 15 building blocks with asbestos, comprising 7 domestic blocks, 4 school blocks and 4 factory blocks to abate the remaining asbestos containing materials in HA managed properties.
27. We carried on monitoring the post-occupation performance with a pilot project using Forestry Stewardship Council certified doors in the construction of Yau Lai Estate.

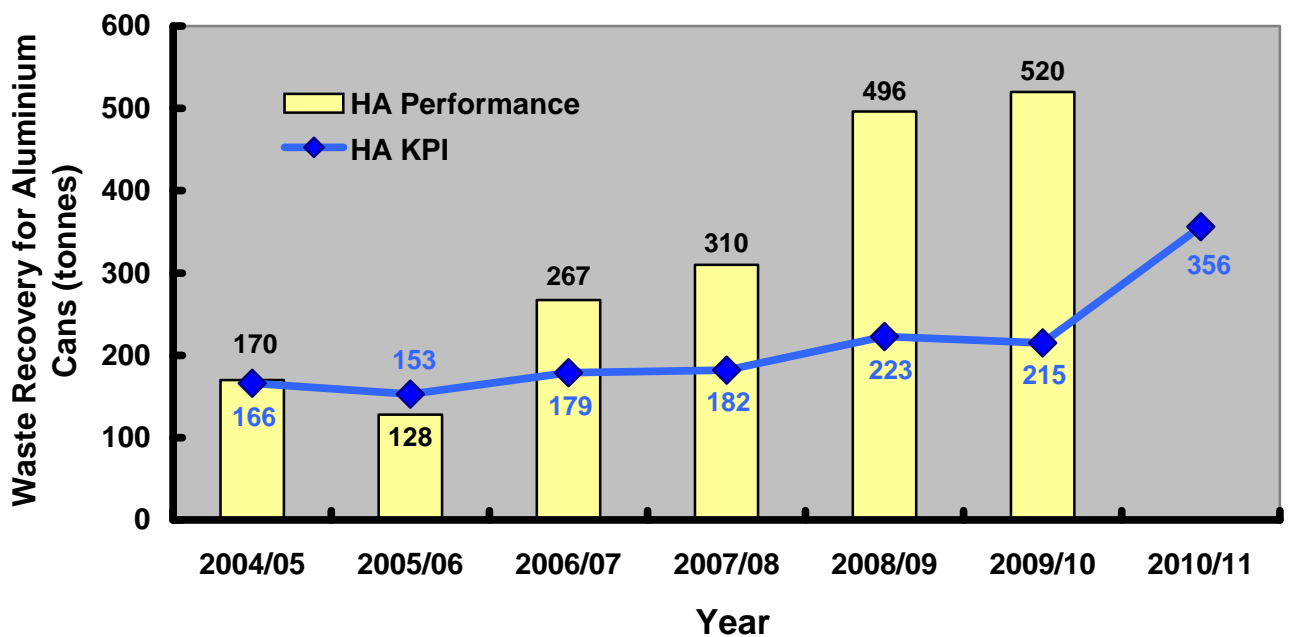
A Summary of Environmental Performance Statistics for Quantifiable Targets

A) Housing Estates

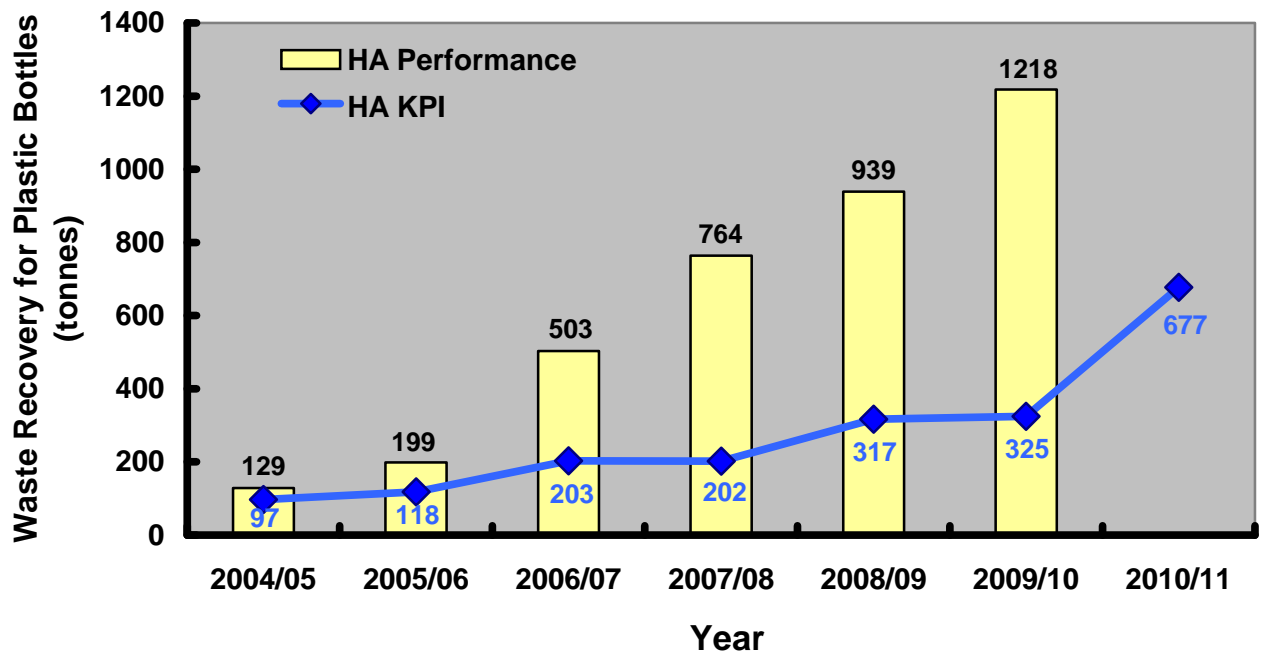
(1) Domestic Waste Recovery for Paper



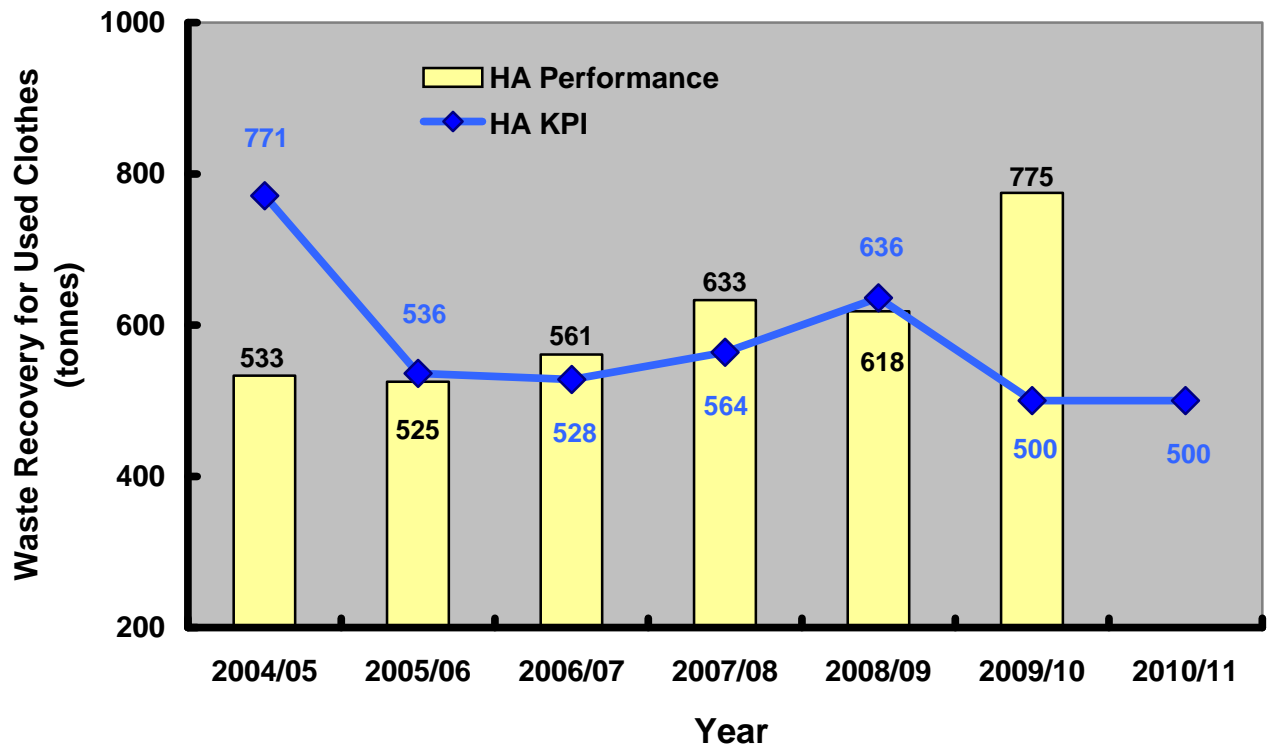
(2) Domestic Waste Recovery for Aluminium Cans



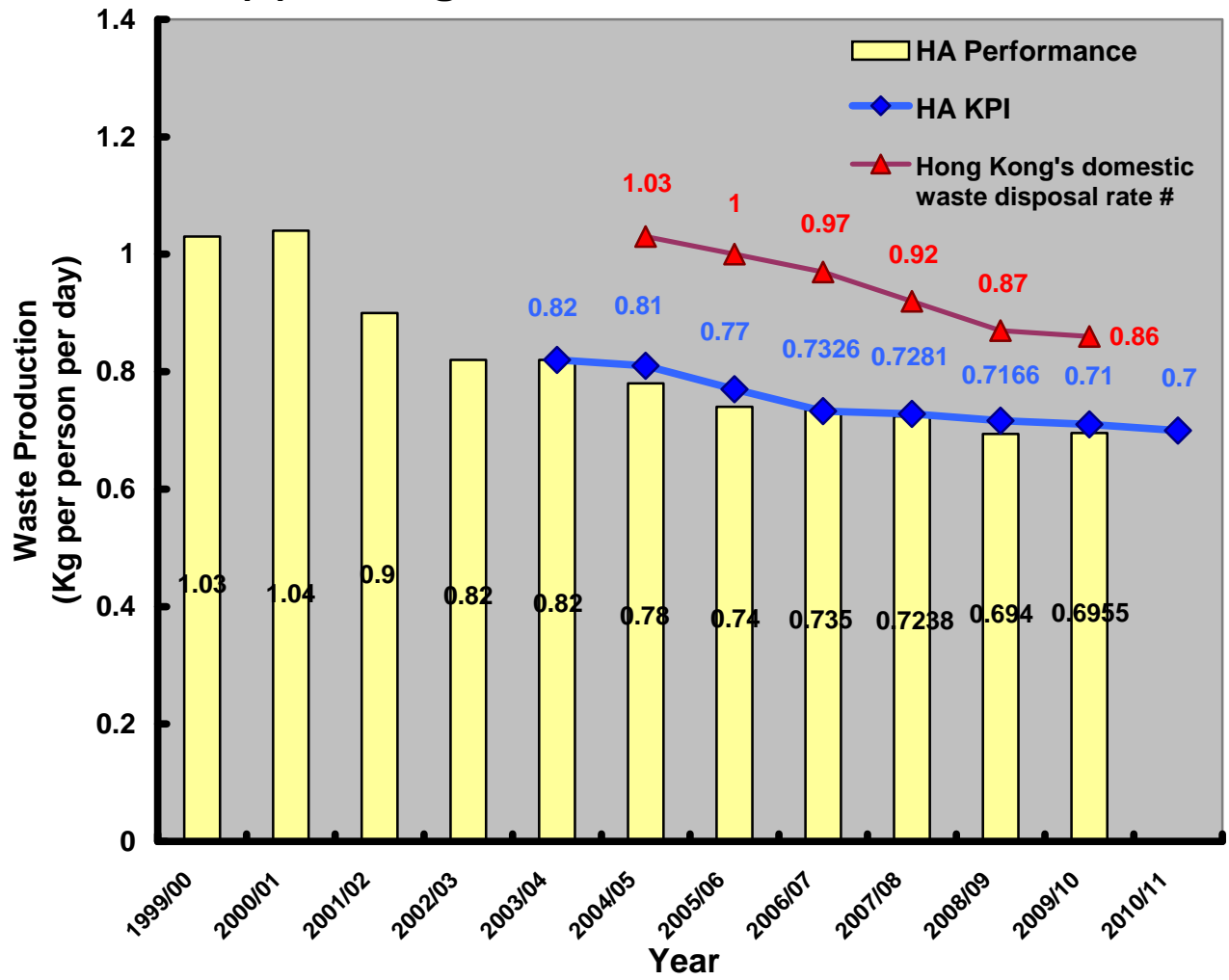
(3) Domestic Waste Recovery for Plastic Bottles



(4) Domestic Waste Recovery for Used Clothes



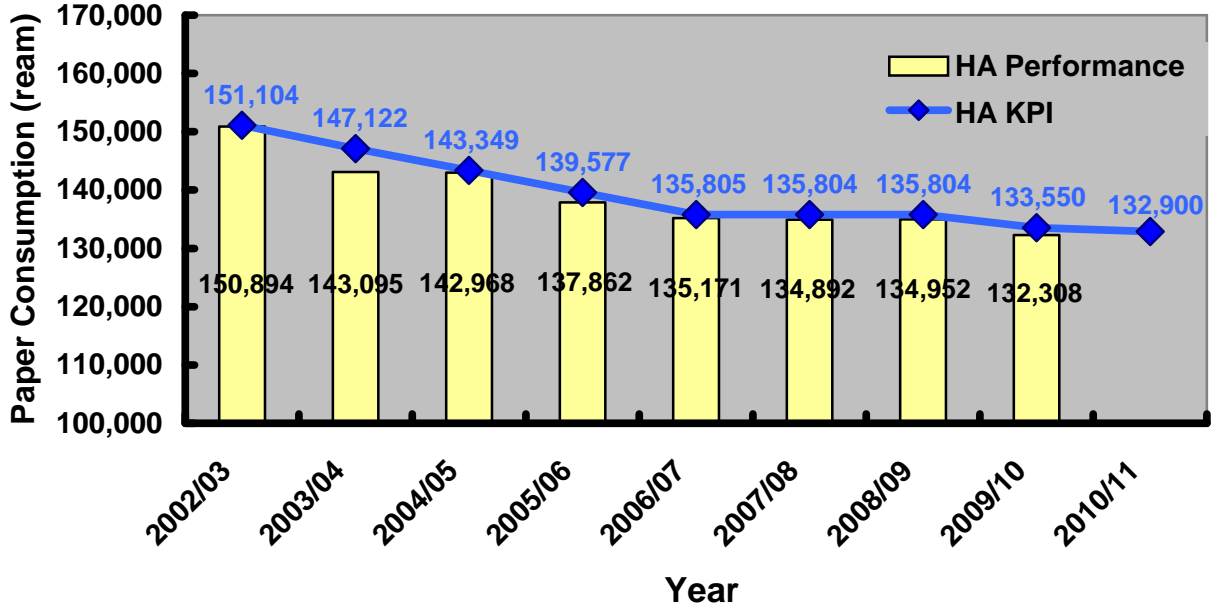
(5) Average Domestic Waste Production



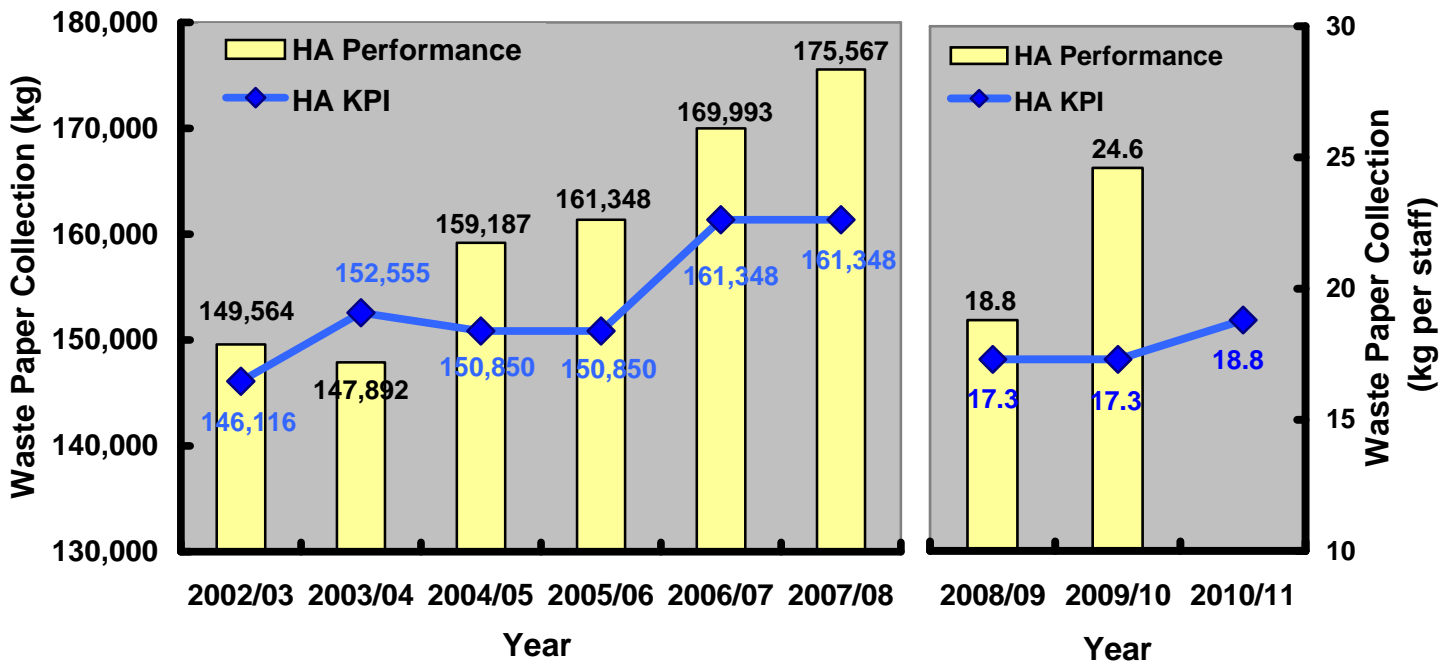
Source : Environmental Protection Department (2010). *Monitoring of solid waste in Hong Kong: Waste Statistics for 2009*.

B) Housing Authority Offices

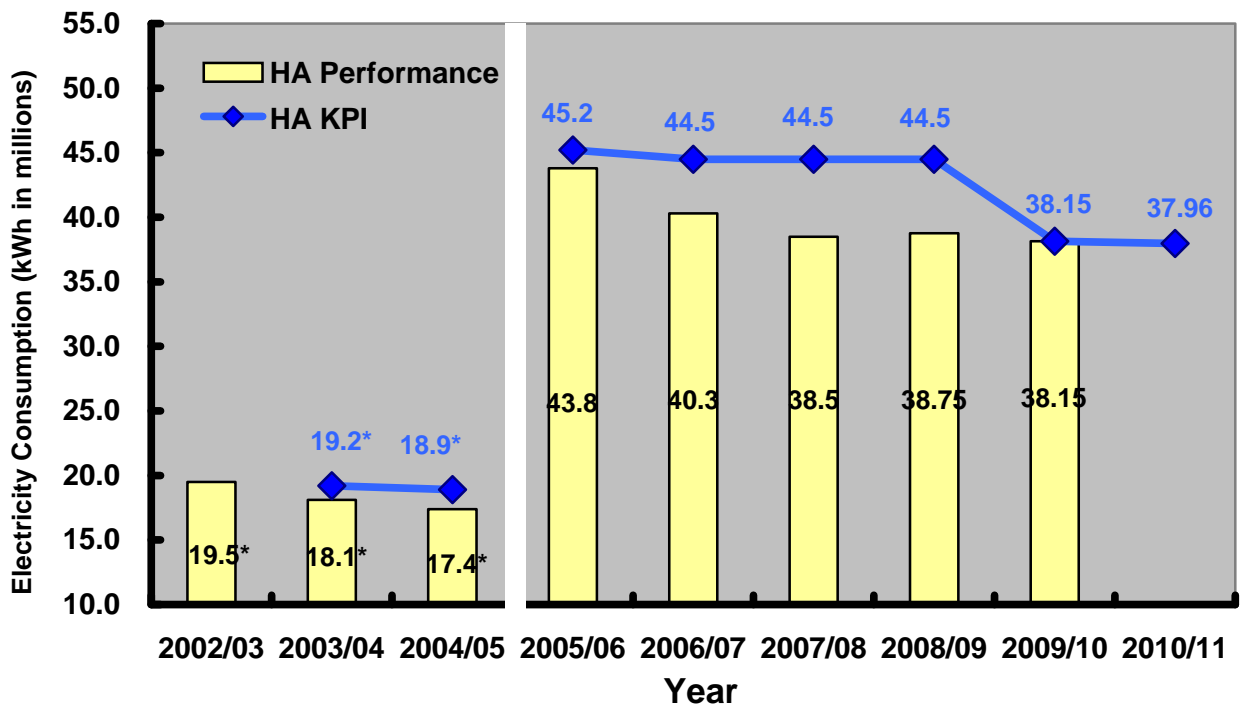
(6) Paper Consumption in all HA Offices



(7) Waste Paper Collection in HA Offices

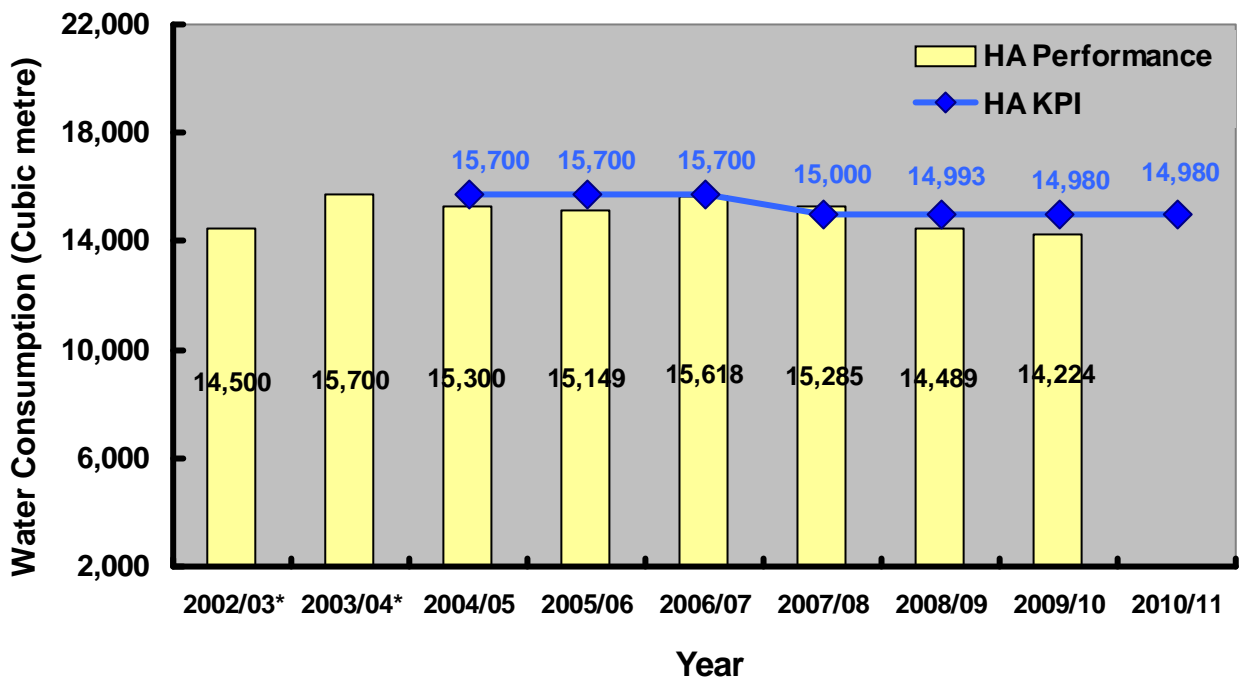


(8) Annual Electricity Consumption in HA Offices



*The HA KPI & HA performance have not included the HA Offices outside HAHQs. The corresponding KPI has been set up since 2003/04

(9) Water Consumption in HAHQ



(* No official target was set for water consumption in 2002/03 and 2003/04)