

Environmental Report 2018



Education Bureau

Environmental Report 2018

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Foreword

Maintaining an environmentally friendly surrounding is crucial to the development of our future generations. As a standing policy, we are committed to conserving our environment through various means and delivering our services in an environmentally responsible manner. To take this forward, we undertake to promote environmental education in schools, nurture civic responsibility and an environmentally responsible attitude among our young generation, initiate housekeeping measures to preserve common resources and fully comply with environmental legislation.

The objective of this report is to outline our policies and management measures with respect to environmental issues, our performance in 2018 and our direction for the coming year.



Controlling Officer's Profile of Key Responsibilities

The Education Bureau is responsible for formulating and reviewing education policy and overseeing the effective implementation of education programmes. We are also the School Sponsoring Body for 34 primary schools and 31 secondary schools in Hong Kong.

The Bureau seeks to provide quality education for Hong Kong's students, to develop their potential to the full and to prepare them for challenges in life.

The Bureau had an establishment of 5 981 permanent posts as at 31 December 2018, with offices located in 21 venues throughout Hong Kong. We strive to deliver professional services and ensure effective use of resources.



Environmental Policy

Our environmental policy is to promote environmental education in schools, to maintain a management system to improve the environmental quality of our activities, to adopt responsible environmental housekeeping practices, to enhance our staff's environmental awareness and to comply with relevant legislation and codes of practice.



Key Environmental Performance in 2018

(A) ENVIRONMENTAL EDUCATION

Our mission is to enhance students' environmental awareness through education and enlist their participation in conserving the environment. To take this forward, we adopt a cross-curricular approach in the promotion of environmental education and promote school-based and action-oriented activities.

To fulfill the goal of promoting environmental education, various initiatives have been undertaken. They include:

- ✚ issuing curriculum guides and other reference materials to promote environmental education in schools;
- ✚ producing multimedia packages and education television programmes on environmental education;
- ✚ organising school events on environmental education together with various government departments and green groups;
- ✚ incorporating appropriate environmental education elements in school syllabuses at all levels and updating curriculum guides and exemplars to assist schools in planning environmental education programmes; and
- ✚ supporting the “Greening for the Chest” Campaign organised by the Community Chest of Hong Kong.



1. Interaction with Schools

(a) School Inspections and Visits

We conducted 7 school visits on General Studies for Primary Curriculum in 2018 giving advice to teachers on the implementation of environmental education. Schools were also encouraged to formulate an environmental school policy and implement measures on energy conservation.

(b) Provision of Resources to Schools

✚ 8 professional development programmes related to environmental education were provided for Liberal Studies teachers. The programmes covered environmental issues in Hong Kong, such as environmental survey, mobile learning, and application of testing and certification in environmental protection.

✚ 3 on-site professional development programmes were conducted in the 2017/18 school year to enhance teachers' capabilities in organising life-wide learning activities related to environmental protection education.

✚ 2 on-site professional development programmes to Hoi Ha Marine Life Centre were held in collaboration with World Wild Fund for Nature Hong Kong for Biology teachers to enrich their knowledge on teaching topics of biodiversity and conservation.



✚ A total of 6 training programmes in the form of seminars and visits on Education for Sustainable Development were organised. Schools' good practices on green school policies and food waste reduction were disseminated.

✚ A seminar and a workshop were conducted in the 2018/19 school year to enhance teachers' capabilities in organising life-wide learning activities related to environmental protection education.

- ✚ An outing to Hoi Ha Wan promoting education for sustainable development was organised to explore with teachers on how to integrate environmental issues into values education. A talk on waste reduction and energy saving was also delivered.
- ✚ 6 teaching packages and resources materials were provided for Liberal Studies teachers on social issues related to the environment and sustainable development, such as water resources and waste management.
- ✚ An education learning package on sustainable development, namely “Go Green Wan Chai”, was developed.
- ✚ A set of learning and teaching resources materials on “Green Living” in the form of CD ROM was produced for the subject of General Studies and distributed to primary schools in the 2017/18 school year.

(c) School Activities to Promote Environmental Awareness

- ✚ Funding was provided for 344 school visits to the Mai Po Nature Reserve.

✚ Student Environmental Protection Ambassador Scheme (SEPAS) 2018/19



- ✚ SEPAS was organised in collaboration with the Environmental Protection Department (EPD) and the Environmental Campaign Committee to promote environmental protection in schools. The main theme in 2018/19 was “Waste Reduction and Management” to promote waste reduction at source and to enable students to better understand waste management in Hong Kong and the current policy initiatives.
- ✚ A total of 303 primary and secondary schools participated in the SEPAS 2018/19. As at September 2018, 8 182 Student Environmental Protection Ambassadors (SEPAAs) were appointed to assist teachers in organising environmental education activities. The SEPAAs, schools and families were encouraged to adopt a greener lifestyle and take more positive initiatives in improving the environment. Knowledge on proper waste recycling practices and the sustainable use of biological resources would be

introduced to them through a series of environmental training and activities.



✚ The seventeenth Hong Kong Green School Award Scheme (17th HKGSAS)

- ✚ This award was organised in collaboration with the EPD and the Environmental Campaign Committee to promote environmental protection in schools.
- ✚ A total of 263 pre-schools, primary and secondary schools participated in the Scheme.
- ✚ Farm Road Government Primary School and Kowloon Technical School were awarded the title of “Hong Kong Green School”.



Outdoor Education Camp Scheme (OECS)

- We supported schools in organising OECS in which enhancing students' awareness of environmental protection was one of the learning elements. Related themes or activities included “Nature and I”, “Science and Ecology Trips”, “Climatology, Geography and Ecology Study Camps”, etc. Some schools also adopted environmental protection as the main theme of the OECS, such as “Green Living” and “Saving Energy”.
- A total of 75 757 students, including 21 862 secondary and 53 895 primary students from 817 schools (284 secondary and 533 primary schools), participated in the OECS in the 2017/18 school year.



Waste Separation and Recycling Scheme in Schools (WSRSS)

- Under the Scheme, we worked together with the Environmental Campaign Committee to promote the concept of “4Rs”, i.e. reducing, re-using, recycling and replacing disposable products. As at the end of 2018, the participating schools collected about 181 908 kilograms of waste paper, 123 575 kilograms of plastic materials and 10 318 kilograms of metal containers.



2. **Building Partnerships**

We collaborated with various government departments and relevant green groups to promote environmental protection. We participated in the following working group, committees and subcommittee in 2018 to provide advice on the organisation of school activities and production of resources materials to schools:

✚ Environmental and Conservation Fund Committee



✚ Environmental Campaign Committee

✚ Environmental Campaign Committee – Environmental Education & Community Action Projects Vetting Subcommittee



✚ Environmental Campaign Committee – Education Working Group

✚ Hong Kong Green Building Council (HKGBC) – Public Education Committee



✚ World Wild Fund for Nature Hong Kong Education Committee

✚ Management Committee of Lung Fu Shan Environmental Education Centre

(B) GREEN MANAGEMENT FRAMEWORK

To put in place an effective management framework, Principal Assistant Secretary (Administration) has been appointed the Green Manager of the Bureau to oversee environmental protection issues. Under her chairmanship, a cross-divisional Bureau Green Management Working Group with representatives from all divisions set up since 1999 has been overseeing the implementation of green housekeeping programmes. Apart from serving as the focal point for directing and addressing energy and environmental management issues and strengthening green efforts in the Bureau, the Working Group also initiates and monitors the progress of green measures and reviews the overall strategy for green management in the Bureau.



A two-tier Energy Manager Scheme has been introduced to promote and monitor green measures in the Bureau:

1. Green Managers at Divisional Level

15 Energy Managers have been appointed at divisional level to oversee the implementation of energy saving and green measures.

2. Assistant Energy Managers and Green Executives at Sectional Level

Environmental audit and inspection teams with 43 Assistant Energy Managers and 47 Green Executives have been set up at sectional level to perform energy conservation duties and implement green measures, such as conducting regular checks, tendering advice to staff concerned and monitoring energy consumption. They also function as Energy and Emission Management Teams to co-ordinate measures to reduce energy and paper consumption.

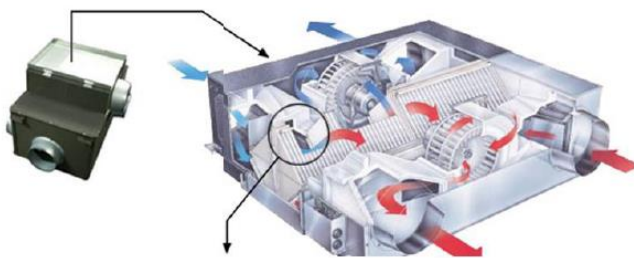
Furthermore, electricity consumption of all offices is critically reviewed and closely monitored at the regular Green Management Working Group meetings.

(C) IN-HOUSE HOUSEKEEPING MEASURES

1. Design and Construction Works for New Schools

We introduced various environmentally friendly initiatives in the design and construction works of new school buildings, including:

- reduction in noise, air and water pollution during construction through implementation of mitigation measures;
- use of renewable energy (e.g. photovoltaic system) and alternative source of water (e.g. treated rain water) as far as practicable;
- reduction in construction waste by using more precast and prefabricated building elements;
- increased application of re-usable materials, in particular metal framework, site hoarding and recycled products;
- improvement to indoor air quality by installing fresh air pre-conditioners in classrooms and using low volatile organic compound-emitting building materials;



- use of environmentally friendly refrigerant for air-conditioners;

- use of energy saving devices such as sun shading on external elevations, occupancy sensors, photo-sensor controlled lighting, LED general light fittings, LED exit signs, variable refrigerant volume air-conditioning system and fresh air pre-conditioners;



- use of water saving devices such as dual-flush cisterns and sensor-taps for wash basins;



- increased landscaping in school playgrounds and upper levels and roof floor of school (including vertical greening) for a greener environment in schools and campuses;



- provision of varied plant species and designated green areas in schools to foster students' interest in natural science and enable students to develop horticultural skills;



- provision of adequate space and waste separation bins to facilitate separation, collection and storage of recyclable materials for recycling;
- use of shared facilities among schools to enable a greener and more spacious environment in these schools;
- introduction of hygiene improvement measures to schools, including toilet provision without main entrance doors and hand-washing facilities in playgrounds; and
- provision of Central Food Portioning Area to facilitate the use of re-usable cutlery and food containers and to reduce food wastage.



Hybrid type solar energy collector



Hybrid type lamp pole



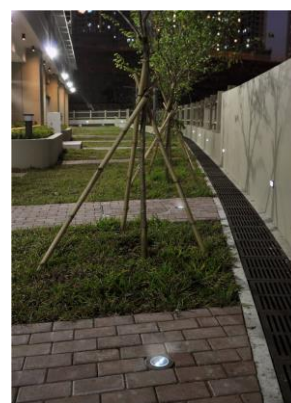
Mono-crystalline PV panels



Semi-transparent amorphous PV panels



Solar powered LED bollard light



LED accent lighting

2. Environmental Policy and Energy Saving Measures in Schools

To take collaborative actions to face the challenge arising from global climate change, we issued a circular in April 2017 to remind all schools to formulate and put in place a school-based environmental policy and implement measures for energy saving, aiming to enhance students' environmental awareness, develop their environmentally friendly attitude and promote green practices and environmental education. To adopt best practices for energy saving, schools are reminded to maintain an average indoor temperature between 24°C and 26°C during the summer months as far as practicable. In line with the Government's environmental policy, schools are encouraged to install renewable energy systems in their school premises subject to the condition that the activities and safety of students will not be jeopardised. A circular memorandum was issued in August 2018 to inform schools of the points to note on their participation in the Feed-in Tariff Scheme when promoting environmental education. To avoid and reduce waste plastic bottles at source, government schools are required to implement the Government's arrangement to cease selling plastic bottled water measuring one litre or less at automatic vending machines at their school premises with effect from February 2018. In addition, an environmentally friendly lifestyle among students has been promoted via a circular on green lunch and reduction of food waste in school issued in June 2016. Under the "Greening for the Chest" Campaign collaborated by our Community Youth Club, we encouraged schools to support the green campaign of 2018-19 through EDB Circular Memorandum No. 142/2018.

Ref: EDB(SA)/ADM/13/03(14)	Government of the HKSAR Education Bureau
20 April 2017	
Education Bureau Circular No. 6/2017	
Environmental Policy and Energy Saving Measures in Schools	
(Note: This circular should be read by: (a) Superintendents / Heads of all schools – for necessary action; and (b) Heads of Sections – for information.)	
SUMMARY	
This circular aims to remind schools of the importance of formulating a school-based environmental policy and implementing measures for energy saving and provide updates on the related information and resources. It supersedes the Education Bureau (EDB) Circular No. 7/2006 dated 12/2006 dated 20 May 2006 and 22 November 2006 respectively.	
DETAILS	
(1) Environmental Policy for Schools:	
2. Climate change is a great global challenge. As in other places, Hong Kong should get ready to take collaborative actions to rise to this challenge. In this connection, all schools are urged to formulate and put in place their school-based environmental policy which aims to enhance students' environmental awareness, develop their environmentally friendly attitude and promote green practices and environmental education as a whole, so as to prepare students for making well-informed, profitable and practical decisions and taking actions in response to the impact of climate change. The environmental policy, which should be reviewed by the School Management Committee (SMC) / Incorporated Management Committee (IMC) of schools, is expected to be reported regularly to the SMC / IMC, covering for ongoing review and sustainable development.	
3. The environmental policy should also take into account (i) schools' commitment to regulatory compliance, provision of pollution and chemical management on environmental management, such as in waste reduction and energy saving, and the promotion of environmental protection in all members of the school; (ii) their mission, vision and beliefs towards the environment; and (iii) strategies to	

Ref: EDB(SA)/SA/PG/13(02)	Government of the HKSAR Education Bureau
1 June 2016	
Education Bureau Circular No. 3/2016	
Arrangements for Green Lunch and Reduction of Food Waste in School	
(Note: This circular should be read by: (a) Superintendents and Heads of all primary and secondary schools and kindergarten for necessary action; and (b) Heads of Sections for information.)	
SUMMARY	
This circular serves to provide schools with practical guidelines on green lunch and reduction of food waste in school. This circular supersedes Education Bureau (EDB) Circular No. 18/2009 dated 3 September 2009 and should be read in conjunction with Education Bureau Circular No. 17/2009 on Meal Arrangements in School.	
DETAILS	
2. Appropriate green lunch arrangements at school are conducive to promoting an environmentally friendly lifestyle among students. To realize the concept of green lunch, schools should follow the principle of reducing waste and minimizing wastage of all times.	
3. Schools are requested to adopt measures with the following practices:	
(a) To reuse reusable food containers and cutlery;	
(b) To facilitate students to bring and use reusable cutlery given to them. If given sets of cutlery are provided to students who have forgotten to bring their own, they should also be reusable;	
(c) To implement waste management as far as practicable. If members of the school does not allow students to take food in a designated dining area, students taking their meal prepared at classrooms should be considered as an alternative where appropriate;	
(d) To practice eat and be flexible manner. If on-site prepared meal service is adopted, schools should avoid serving excessive food to	

EDB Circular Memorandum No. 142/2018	
From: Secretary for Education	To: Heads of all Primary and Secondary Schools
Ref: EDB(SA)/ADM/13/03(14)	
Date: 14 September 2018	
"Greening for the Chest" Campaign 2018/19	
The Community Chest of Hong Kong is organizing "Greening for the Chest" Campaign 2018/19 to help improve the environment and save resources for the Community Chest of Hong Kong. The campaign is organized by the Education Bureau (EDB) and the Community Chest of Hong Kong. Heads of schools are asked to encourage their teachers and students to support participating teams and support the campaign.	
Details	
1. "Greening for the Chest" Campaign 2018/19 includes the following fundraising activities: (a) Cheering for Chests, Hiking for Chests and Green Lunch for Chests (b) Chests Tree Talk	
Details of these activities and applications form provided by The Community Chest of Hong Kong are attached.	
2. CVC member schools which wish to join the above-mentioned fundraising activities must submit the application form. Details will be submitted by respective CVC Branch Executive Committees to the CVC.	
3. Non-CVC member schools interested in participating in the above-mentioned fundraising activities at school-based (not school name) are required to complete and return EDB(SA) Form 1 (Application for Participation in the "Greening for the Chest" Campaign 2018/19) to the Community Chest Office on or before 30 October 2018.	
4. A poster and a leaflet for the Campaign prepared by The Community Chest of Hong Kong will be sent to schools by post in due course. We are most grateful to schools would display the poster in a prominent place on the campus for publicity.	
Enquiry	
For enquiries, please contact The Community Chest Office at 2888-6111 or the CVC Office at 2875-6016.	
Yiu Tin-yan (YTN) For Secretary for Education	
c.c. Heads of Sections – for information	

Education Bureau Circular Memorandum No. 115/2018	
From: Secretary for Education	To: Heads of all kindergarten, primary and secondary schools (including government schools)
Ref: EDB(SA)/ADM/13/03(14)	
Date: 20 August 2018	
Participation of Schools in Feed-in Tariff (FIT) Scheme	
SUMMARY	
This circular memorandum (CM) aims to inform all secondary schools, primary schools and kindergartens (including government schools) of the points to note when participating in the FIT Scheme. It should be read in conjunction with Education Bureau (EDB) Circular No. 4/2017 on "Environmental Policy and Energy Saving Measures in Schools" to implement the environmental policy and environmental education in schools.	
DETAILS	
2. The Hong Kong Government entered into a new Scheme of Control Agreements (SCAs) with the two power companies (i.e. CLP Power Hong Kong Limited (CLP) and the Hongkong Electric Company Limited (HEC)) in April 2017. Hong Kong entered the public consultation to develop a new SCA for the year 2018/19. As a result of a number of measures to encourage the power companies to develop renewable energy (RE) on their own, while at the same time promote the development of RE, among them, the introduction of the FIT Scheme is an important measure to promote RE in the new SCAs. Implemented by the two power companies, the FIT Scheme encourages the private sector and the community to develop RE and sell the power so generated to the power companies at a rate higher than the normal electricity tariff.	
3. In line with the Government's environmental policy, the Environment Bureau and the EDB encourage schools to install RE systems on the school premises subject to the conditions that the activities and safety of students will not be jeopardised by such installations. Renewable energy projects, such as solar photovoltaic (PV) systems, are encouraged to participate in the FIT Scheme having regard to their individual circumstances. It is hoped that schools will make the best use of the FIT system available to promote environmental education in schools when participating in the FIT Scheme. When installing RE facilities and participating in the FIT Scheme, schools should take note of the following:	
RE Facilities	
(i) All schools may purchase, install, replace or maintain RE facilities, and pay for the initial cost (cost of the facilities, if any, through the Environmental and Conservation Fund, donations or sponsorship). In addition, school should also pay for the cost of the facilities in the General Funds Account to pay for the	

3. Energy and Carbon Audit

We worked closely with the Electrical and Mechanical Services Department to identify new energy saving opportunities. Carbon audit for our offices in Central Government Offices has been carried out since 2013 as an on-going measure. In 2018, carbon audits were carried out for 16 government schools and Kowloon Tong Education Services Centre covering the period from 1 January to 31 December 2018.

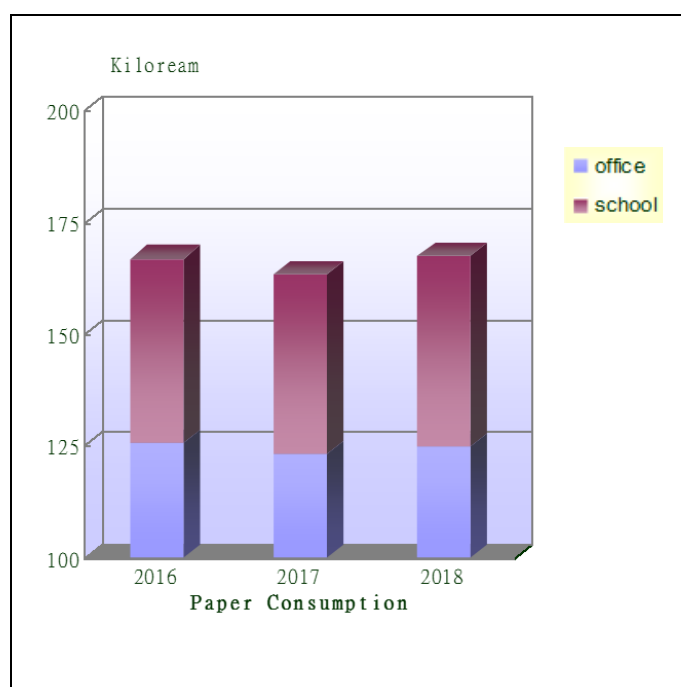
The total carbon emission for these 17 premises (with total floor area of 162 387 m² and 2 087 employees) was 7 097 tonnes of CO₂ -e. We have carried out energy saving projects (such as installation of lift regenerative devices, improvement of efficiency of chiller plants and replacement of split-type air-conditioning systems) and taken various measures (including removing part of the fluorescent lamps in over-lit areas, switching off some passenger lifts during non-peak hours and adding occupancy sensor control in toilets) to take forward the recommendations of the energy / carbon audits.



4. Consumption of Resources

(a) Saving Paper and Electricity

We have been making continuous efforts in economising the use of paper and reducing electricity consumption. Compared with last year, our paper consumption has increased by 2.5%, mainly due to the expansion of some divisions / schools.

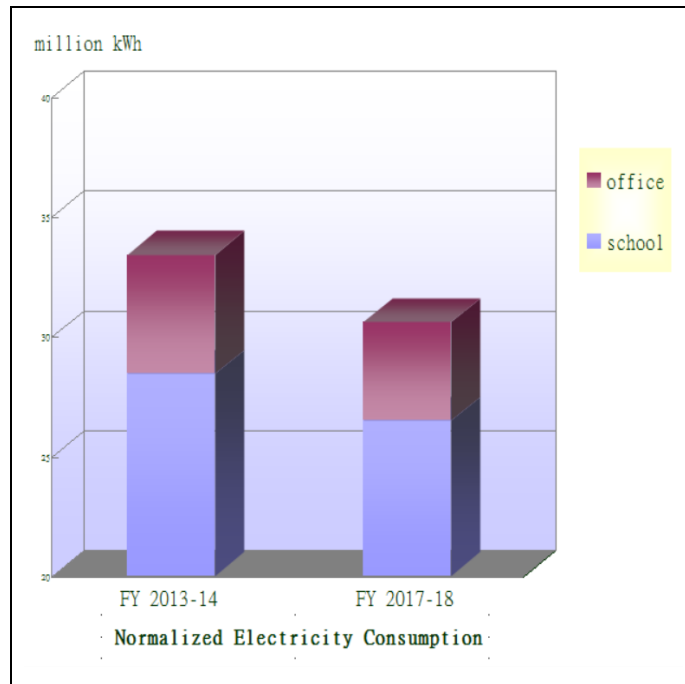


Electricity consumption of our government buildings in FY 2017-18 is compared with the base line in 2013-14 below:

	Electricity consumption (million kWh)	Electricity consumption under comparable operating conditions (million kWh)
FY 2013-14 (base line)	33.399	Not applicable
FY 2017-18	31.781 (-4.8%)	30.592 (-8.4%)

As set out above, electricity consumption of our government buildings has reduced by 4.8% from FY 2013-14 to FY 2017-18. Under comparable operating conditions of FY 2013-14, saving in electricity consumption in FY 2017-18 was 8.4% after carrying out energy saving projects (such as installation of lift regenerative devices, improvement of

efficiency of chiller plants and replacement of split-type air-conditioning systems) and implementing housekeeping measures (including shortening of operating time of the central air-conditioning systems, switching off of air-conditioning in the facilities / meeting rooms right after use, etc).



We shall continue to maintain our efforts to achieve savings in electricity and paper consumption.

(b) Conserving Energy

We shall continue to adopt energy-efficient measures and sustain our efforts in reducing energy consumption.

- Energy saving fluorescent tubes with electronic ballasts and light bulbs are used in our offices as far as possible.



- We have been strictly following the Government's policy to maintain the ambient office temperature at 25.5 °C.



- Electricity consumption reports are compiled on a quarterly basis. Internal energy audits are conducted periodically.
- Moreover, our Information Technology Management Division has deployed server virtualisation technology and cloud services to reduce energy consumption. This also reduces the need to procure new IT equipment.
- At present, there are over 600 virtual servers in the Bureau. There are also 6 systems running in the cloud environment of the service providers. We shall continue to deploy technologies to reduce energy consumption where applicable.



5. Reduction of Air Pollution

(a) Use of Fuel Efficient Types of Vehicles

Vehicular emissions are the major local source of air pollution and reducing emissions from vehicles is an effective way to improve air quality. We have been using unleaded petrol for our vehicle fleet since 1991.



We have gradually replaced all our six vehicles by environmentally friendly petrol saloon cars with lower emissions and more fuel-efficient engines over the past years. Among these, two are equipped with a “hybrid system” combining a gasoline engine and electric motor power to improve fuel economy and minimise emission of polluting particles.

(b) Promotion of Green Driving

To reduce idling emissions and achieve fuel saving, our drivers are regularly reminded to strictly comply with the requirements set out in the Motor Vehicle Idling (Fixed Penalty) Ordinance against idling of motor vehicle engines. Surprise inspections have been conducted quarterly to ensure compliance.



(c) Economical Pool Car Resources

Furthermore, we have been practising car pooling and task combination, i.e. to achieve multiple objectives in one journey instead of arranging separate trips. Whenever circumstances permit, car pooling arrangement would be made to reduce the use of vehicles and at the same time to meet transport demands of different users.

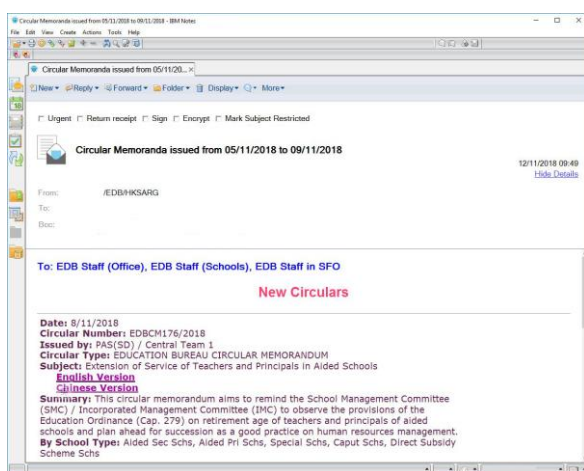


6. Highlights of Other Green Measures in 2018

We have all along adhered to the 4Rs principles of “Reduce, Re-use, Recycle and Replace disposable products” and focused on minimising waste and implementing various green measures on an on-going basis.

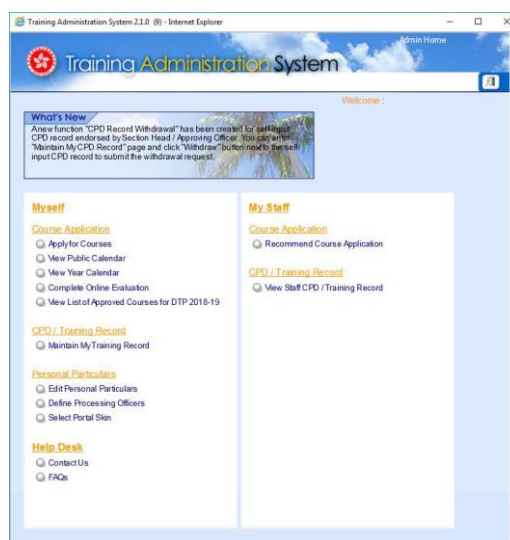
(a) Minimising and Reducing Wastes

(i) *Using Electronic Means of Communication*



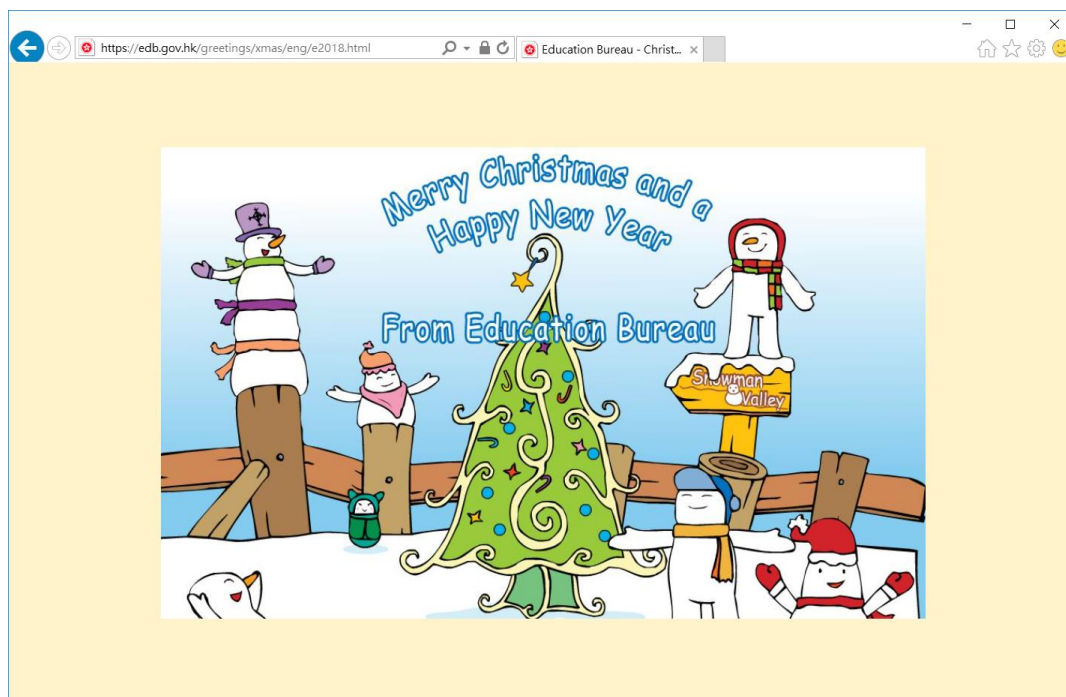
- With a view to promoting paperless operation in our daily work and reducing the use of paper, staff in the Bureau are provided with email accounts and use of electronic mails has become the most popular means of communication in the Bureau.

- Staff in the Bureau are provided with intranet accounts. The intranet platform has been widely used to disseminate the Bureau's information (including telephone directory, updates on grade management statistics, training activities, newsletters, etc.) and process administrative and personnel matters (e.g. bookings of conference rooms, leave applications and applications for training courses). We encourage staff to exchange documents through electronic means.



(ii) *Electronic Christmas Cards*

- As one of our paper-saving measures, we used e-cards to send Christmas and New Year greetings to our working partners. Staff were also encouraged to use the GovHK Internal e-Card Platform to distribute e-cards.



(b) **Re-use and Waste Recycling**

As an integral part of our green strategy, we have put in place the following recycling programme:

(i) *Green Purchasing*

- In procurement of products, we took into account environmental factors such as recyclability and energy efficiency as far as applicable. We also purchased green products like recycled ink and toner cartridges.
- We supported procurement of green products for use in the Bureau. In arranging tenders, we included common environmentally friendly terms such as trade-in clauses and recycling arrangements as far as practicable. Trade-in arrangements for supply of ink and toner printer cartridges were arranged. In this connection, a total of 1 043 used



cartridges were returned to the suppliers concerned for recycling or public auction in 2018. Furthermore, we collected a total of 3 635 pieces of computer waste for recycling either by contractors under the disposal contracts or through public auction.

- When inviting tenders for new cleansing contracts for our offices and schools, we required tenderers to include use of recycled / degradable plastic bags and approved cleansing chemical and materials in the service schedule.

(ii) Collecting Waste



- We joined the EPD's "Programme on Source Separation of Commercial and Industrial Waste" and provided green boxes in offices and schools for collection of papers, plastic and aluminium wastes for recycling.

- We collected a total of 194 393 kilograms of waste paper for recycling throughout the year.

(iii) Use of Recycled Paper

- Following the EPD's recommendation of wider use of recycled paper, we consumed 113 664 reams of recycled papers in 2018.
- We continued with our efforts in reducing paper consumption and measures, such as printing on both sides of paper and re-using envelopes.



(iv) Green Christmas

- In the exercise of “Donation of Clothing, Small Electrical Appliances and Toys” launched during Christmas 2018, we collected clothing, small electrical appliances and toys from colleagues for recycling donation to the Salvation Army.



(c) Improvement in Indoor Air Quality

Under the EPD's Indoor Air Quality (IAQ) Certification Scheme, offices in Central Government Offices in Tamar have obtained the “Excellent Class” IAQ Certificate while offices in Wu Chung House and Kowloon Tong Education Services Centre have obtained the “Good Class” IAQ Certificate in 2018. We will continue to monitor the indoor air quality regularly to ensure that the IAQ meets the standard promulgated by the EPD.



(d) Promotional Green Activities

We organised a series of activities to promote green management in the Bureau in 2018, including:

(i) *The Nineteenth Paper Saving Competition*

- We organised the nineteenth Paper Saving Competition to promote paper saving in daily operation among colleagues working in government schools and offices.



Prize

Best Performance
Award in Paper Saving

Best Progress Award in
Paper Saving

Winning Teams

🏆 School Development Division

🏆 Queen's College

🏆 Information Technology Management
Division

🏆 South Yuen Long Government Primary
School

(ii) Promotional Messages on Newsletter and Bureau Intranet

- To encourage direct participation by colleagues and to appeal for their support and contribution in protecting the environment, we disseminated green messages and notices and green tips in the Bureau's newsletter "EDB Pulse" and other internal publications through the EDB intranet.

教育局脈博

Clean Hiking

Sha Tin Government Secondary School

The Clean Hike Team, ready for a day of healthy physical activity, appreciating nature, caring for the environment by picking up litter, and becoming global digital citizens.

Healthy exercise. Enjoying nature. Caring for the environment. Putting it to good use. How can anyone do all of that at the same time? It's easy, fun, and rewarding. Give it a try!

The first Excursion Club event of the year in our school was more than a pleasurable hike on a country trail in Hong Kong's beautiful green mountains. As with any hike, we got plenty of healthy physical exercises covering 9 km from our school – Sha Tin Government Secondary School – up to Lion's Rock Peak and down the other side to Wong Tai Sin MTR Station. What made this hike special, beyond appreciating the nature, was taking a small action to care for our environment. We picked up litter along the way, documented it with a litter collection mobile phone app, and uploaded our data to join a global effort to clean our planet.

Picking up Litter

Picking up litter is as simple as it sounds. When you walk along the hiking trail and find a piece of litter – pick it up and dispose of it. It is simple. One small action can make a difference, and when combined with a few other people, or several others, or even thousands of others, it makes a real impact.

Preparation is as simple as the action. You'll need a glove, or tongs if you prefer, to pick up the litter. A bag to collect and dispose of the pieces of litter you pick up. A smartphone with the Litterati app installed to document your efforts.

Picking up litter along the hiking trail, and documenting it with a smartphone and the Litterati app.

Teamwork in action: One student picks up the litter, another documents it, and another carries the disposal bag.

The route from Sha Tin Government Secondary School up to Lion's Rock Peak and down to Wong Tai Sin MTR Station covering 9 km.

Each student is responsible for picking up litter along the trail from Sha Tin to Lion's Rock Peak.

Clean Hiking

Physical Exercise

Environmental Care

Nature Appreciation

Digital Citizenship

Life-wide Learning

Way Forward

We fully recognise the importance of environmental protection and green management. The Bureau will continue to devote efforts and resources to maintaining a high level of green management practice and setting a good example to the community.



In terms of education, we will continue to encourage schools to develop a green culture, and to equip students with the knowledge, skills and attitude to become environmentally friendly citizens. To support schools in environmental education, we will continue to provide a broad range of services including school visits, teacher education programmes, territory-wide green activities, and learning and teaching resources.

Within the Bureau, we will strive to reduce electricity consumption having regard to actual operational requirements and will implement energy saving proposals / projects according to the recommendations of energy / carbon audits, e.g. installation of lift regenerative device, improvement of efficiency of chiller plants and replacement of split-type air-conditioning systems.



TARGETS FOR 2019

Our targets for promotion of environmental education in the 2018/19 school year are as follows:

<i>Key Action Area</i>	<i>Targets for 2018/19 School Year</i>
<ul style="list-style-type: none">■ Conducting school inspections and visits to give advice on environmental education■ Organising school activities to enhance students' awareness of environmental protection	<ul style="list-style-type: none">■ To advise schools on environmental education during school visits and other learning experience activities■ To fund 400 school visits to the Mai Po Nature Reserve■ To organise activities in collaboration with various government departments and non-government organisations to promote green living■ To subsidise schools through the "Outdoor Education Camp Scheme" with the aims to deepen students' understanding and love of the nature as well as to enhance their awareness of environmental protection
<ul style="list-style-type: none">■ Providing advice on organisation of school activities and production of resource materials for schools to promote environmental protection	<ul style="list-style-type: none">■ To enrich the web-based learning and teaching resources, such as the life event exemplars relating to environmental education



In conducting our business, we will continue to economise on the use of resources and minimise waste. In the coming year, we will continue to:

1. initiate and promote environmentally friendly housekeeping practices;
2. conduct indoor air quality check and devise more effective measures to improve air quality;
3. implement housekeeping measures and best practices for energy saving and conduct energy / carbon audits where necessary with a view to achieving energy saving;
4. implement improvement measures to achieve further energy conservation according to the recommendations of energy / carbon audits;
5. promote the use of renewable energy;
6. promote and encourage saving of paper among staff through organising activities and publishing encouraging messages in internal publications;
7. promote the use of electronic means of communication within the Bureau; and
8. organise activities and training to promote staff's awareness and participation in green management.



Contact Us



If you have any comments / suggestions, please send them to the Centre Manager (Address: Room E301, East Block, Kowloon Tong Education Services Centre, 19 Suffolk Road, Kowloon Tong, Hong Kong; Email address: edbinfo@edb.gov.hk; Fax no.: 2117 0081). Thank you.

