



# WASTELINE : Winter 2017

The Newsletter of the Hong Kong Waste Management Association  
Web Site: [www.hongkongwma.org.hk](http://www.hongkongwma.org.hk)

Focus

Opinion

News

Conference

YMC

Learning

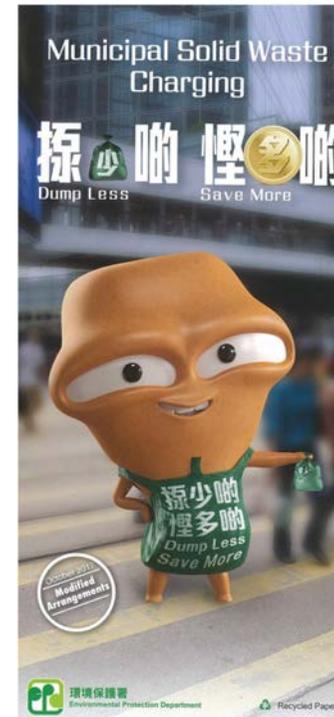
Events

Message from the Editor:  
This Newsletter requires your participation. We would like to hear your experiences in implementing good waste management practices in Hong Kong or overseas. If you have an interesting story to tell, please write to me at [david.pegg@arup.com](mailto:david.pegg@arup.com)



## Event: Two Coasts and Four Places Forum

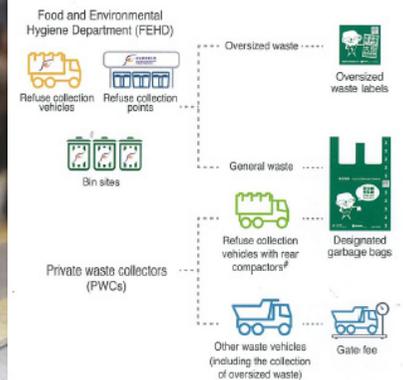
Visit  
Kwun Tong Community Green Station



## Opinion: MSW Charging

### Charging Modes

Apply to all sectors in one go





# Let's Get Ready for MSW Charging

In October 2017 Government issued an Informational Pamphlet for modified arrangements for MSW Charging using the slogan “Dump Less, Save More”. The pamphlet (as extracted below) provides details on Government’s proposals for MSW Charging.

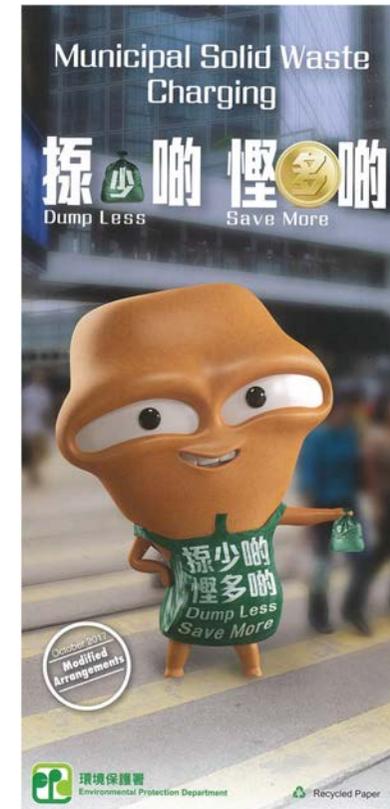
The MSW Charging Scheme is one of the backbone policy initiatives within the HK Blueprint for Sustainable Use of Resources and is intended to drive behavioral change to reduce overall waste generation as well as enhance recycling behavior.

Upon launch of similar schemes in Taipei and Seoul their governments saw immediate reductions in waste disposal in the order of 20% and these reductions were coupled with enhanced interest in recycling. Achievement of such reductions in Hong Kong would yield welcome relief to our landfills.

The MSW Charging Scheme is proposed as a quantity base scheme following extensive public engagement and will apply to all sectors of the economy through the use of designated garbage bags, gate fees (by weight) or oversized waste labels. The majority of households will be charged at the rate of HK\$0.11 per litre but participation and enforcement will be fundamental to success.

The legislation will undergo scrutiny in 2018 and after passage of the Bill a further 12-18 month preparatory period is envisaged before full implementation in 2019.

This preparatory period will be essential to success and will require extensive education and out-reach programs that have already commenced and HKWMA is actively supporting and providing opinion on enhanced measures to support clean recycling and source separation of waste.



**(A) By Designated Garbage Bags**  
Applicable to most residential buildings, village houses, small street shops, traditional premises and some commercial and industrial buildings.

**4000+ Sales points**  
• 4000+ sales points  
• 4000+ sales points

**Designated Garbage Bags Price at \$0.11 per litre**  
• Designated Garbage Bags Price at \$0.11 per litre  
• Designated Garbage Bags Price at \$0.11 per litre

**Oversized Waste Labels \$11 per piece**  
• Oversized Waste Labels \$11 per piece  
• Oversized Waste Labels \$11 per piece

**(B) By Weight**  
Applicable to some commercial and industrial buildings and premises using PVCs, other waste service services.  
• “Gate fee” on the basis of the weight of MSW  
• Both PVCs and waste producers can register as account holders for paying the gate fee  
• Four refuse transfer stations and the North West New Territories Refuse Transfer Station: \$395/tonne  
• Other refuse transfer stations and landfills: \$365/tonne

**3 years**  
• No change to the charges for the first three years

**Assistance for the Needy**  
• Assistance for the Needy  
• Assistance for the Needy

**Publicity and Public Education**  
• Publicity and Public Education  
• Publicity and Public Education

**Waste Reduction / Recycling Support**  
• Waste Reduction / Recycling Support  
• Waste Reduction / Recycling Support

**Timeline**  
• Timeline  
• Timeline

**What to do?**  
• What to do?  
• What to do?

**Resident Organisations**  
• Resident Organisations  
• Resident Organisations

**Property Management Companies**  
• Property Management Companies  
• Property Management Companies

**Waste Producers**  
• Waste Producers  
• Waste Producers

## Opinion

Reported by David Pegg



# Let's Get Ready for MSW Charging Cont'd

Cont'd

Whilst MSW charging may reduce generation, to be truly effective the ability of the community to make recycling as easy and as convenient as disposal will also be crucial to the success of the scheme.

The Bill offers a significant opportunity for Hong Kong to take a holistic view on its waste management practices and drive how recycling is to be developed in Hong Kong. External pressures from the China ban on import of recyclables will place pressure on the scheme and focus efforts on the need to drive local recycling and may define the direction Hong Kong takes towards recycling.

The HKWMA has actively been engaged in the last six months in providing opinions and support to Government's MSW Charging Initiatives and there have been a number of briefing sessions to inform the general public and different sectors of industry and commerce.

The **Hong Kong Green Shop Alliance** (the Alliance) recently provided a briefing session that was jointly organizing by the **Hong Kong Green Building Council** and the **Environmental Protection Department** and supported by HKWMA for shopping malls and their tenants to get ready for the new initiative. The briefing was introduced by **Mr. KS WONG, Secretary for the Environment**, who provided an update of the latest development of the MSW Charging Scheme was supported by distinguished speakers and industry players to enhance the understanding of the commercial and retail industry on this important waste reduction initiative and to facilitate sharing on how they can prepare for it





# Radio Interviews Revolving around the Waste Ban Policy by China

In the past 6 months, waste management has become an even more sensitive subject, very much due to the waste ban in China that commenced the 1 January 2018, for restricting the import of 24 types of hazardous and undesirable wastes that had been named as recyclable resources before. The policies have subsequently affected the whole paper & plastic recyclers/importers in Hong Kong as they had been transferring a steady and significant quantity of paper & plastic scraps, either imported from overseas or collected locally, to the processing plants in Mainland China.

This ban has caused a chain reaction affecting local scavengers, to small to medium sized collection shops spread around the cities, and even collectors/exporters in the U.S., Europe, Australia, Japan, etc. To arouse attention and solicit government involvement, local recyclers/traders had once temporarily held up the routine collections and within just one weekend, waste carton boxes and paper scraps were “flooding” the street corners at Sheung Shui & Sham Shui Po regions.

On 7 Sept 2017, the RTHK3 Backchat had invited Mr. Victor Li, HKWMA chairperson at that time, along with Ms. Christine Fung, Sai Kung district councilor and Ms. Vicki Kwok, EPD deputy director for an live interview to comment on the impact of the waste ban and remedial actions on the recycling industry. Various observations & opinions were exchanged on the spot. It was opined that there had been signs (that were somehow underestimated or overlooked) of such ban; hopefully, this apparently abrupt execution of the ban that not only would cause disturbance to the usual practices but also serve as a serious wake up call to the community and relevant stakeholders at large. Certain medium & long term measures from government preferential purchase policy on locally recycled products, support of recycling industries through practical means, land policies, etc. were discussed.



HKWMA Immediate Past Chairman Victor Li speaking live on RTHK3 BackChat



# Radio Interviews Revolving around the Waste Ban Policy by China

Cont'd

Further to RTHK3, Victor Li also expressed the messages through CR1 – Share my songs ([有誰共鳴](#)) and the KOT's Education ([葛民教育](#)) on 18 Sept, 2017 and 8 Nov 2017, respectively. These are 2 well received light hearted programs combining songs & sharing in a relaxed way, and uncovering some unaware trade practices under an amusing atmosphere, to spread the messages to the audiences.

As a continuing effort to sustaining the waste management development and attracting talent to the industry, the HKWMA has started to reach out to various levels of stakeholders, and in particular, to younger generations who are looking for a challenging and promising careers. Yet over the past decades, there have been stereotypes on the potential of waste management industry, social status of practitioners (and even on engineers/professionals). With the technological advancement, the awareness of resources preservation and the concepts of circular economy driving our societies, it is one of the HKWMA directions to propagate the right messages to the general public and students from tertiary educations to consider devoting in this field, at the same time, facilitating the industry to recruit the best talents to embrace the upcoming opportunities. These two programs have helped us clarifying some of the above.

The longer term impact of waste ban is surfacing and starting to influence the industry. As a follow-up, the HKWMA has expressed its views at the Environmental Affairs Panel of LEGCO on 19 December 2017, regarding "Measures to assist the recycling industry to meet the Mainland's tightened requirements for import recyclables".



Victor Li sharing his songs with Eric Kot

Focus

Reported by Victor Li



# HKWMA Annual General Meeting, 19 September 2017

The Hong Kong Waste Management Association held its Annual General Meeting at the Hong Kong Club on 19 Sept 2017 with attendance of more than 100 members and guests whom have interest and support towards the Waste Management Industry in Hong Kong

The AGM provides an opportunity for the association to reflect on the achievements of members and the Hong Kong waste management industry in the past year as well as looking ahead as to how members can support new waste management initiatives for the benefit of Hong Kong.

Prior to the formal proceeding of the evening members networked and enjoyed the hospitality of the Hong Kong Club before the Chairman of the Association, Victor Li, delivered his annual report.

The Chairman's annual report made reference to the Two Coast Four Place Forum to highlight the progress Hong Kong has made in the last four years.

In past years the Hong Kong delegation had limited information to share about new infrastructure or waste management initiatives but for the forthcoming Two Coast Four Place Forum that was to be held in November 2017 Hong Kong will be able to showcase new environmental infrastructure facilities such as T-Park and WEEERF, provide guidance on new policy initiatives for MSW Charging, PRS schemes for WEEE and glass bottled, centralized funds to support the Recycling Industry and other educational initiatives associated with the Blueprint to guide waste management in Hong Kong between 2014 and 2022.

These projects and initiatives have provoked interest from other organizations and overseas countries and the association has hosted numerous delegations seeking to understand the unique waste management practices and approaches adopted in a highly urbanized city like Hong Kong.



HKWMA Chairman Victor Li delivering the Annual Report



Members and guests enjoying the chairman's report and reception

Event

*Reported by David Pegg*



# HKWMA Annual General Meeting Cont'd

Cont'd: The Chairman's report also provided an overview of the activities conducted by the HKWMA in the last year to engage with the industry, community and to promote waste management as a career for the younger generation.

- The association offered views to government on source separation of food waste, MSW Charging, Use of Underground Space, WEEE and the Chief Executive's Policy address;
- The association participated in radio interviews related to the recycling industry and the paper waste ban;
- The executive committee members conducted a professional training course comprising 12 modules with attendance of 28 participants;
- Young Members arranged technical visits to NAMI, Baguio Recycling Facilities, the Airport Authority and other facilities;
- The executive committee members participated in a talent bridging programme to share knowledge to universities and students about the diversity of a career in waste management;
- Young member and executive committees gathered regular for informal events;
- The association signed an Alliance with APWEA that enables us to collaborate and share knowledge with regional associations in Australia, China, India, Indonesia, Korea, Malaysia, Philippines, Singapore, Vietnam and New Zealand;
- Support to Labour and Welfare Department for drawing up a talent list for the waste management industry.

The Chairman also paid tribute to Barry Adcock who has served the association for more than a decade and during that time had been the editor for each Wasteline Newsletter issued. Barry was presented with a book that contained all past issues of the associations Newsletter.



Young Members Committee



HKWMA Executive Committee 2018-2019

Event

*Reported by David Pegg*



# HKWMA Annual General Meeting Cont'd

Cont'd: Barry reflected on the past decade and offered his opinion on measures needed to improve waste management in Hong Kong. While he supported the core fundamentals of the Blueprint he advocated that the speed of implementation needs to take a step change and solutions should focus on measures to reduce waste generation at source rather than end of pipe solutions that only tackle how to deal with waste once generated.

The Chairman proceeded with formalities of accounts and appointments before announcing the nomination of who would succeed him as chairman for the forthcoming year.

In terms of accounts, the chairman reported that the association had increased surplus cash to HK\$987,210 and the meeting agreed that Fanny P Lai & Co would continue as auditors.

In accordance with the constitution retiring members comprised Kenny Wong, Louis Chan, Karel Haubourdin, Simon Cheung and Barry Adcock had served their three year terms. Kenny Wong and Karel Haubourdin were nominated for re-appointment to the Executive Committee and members voted by a show of hands to accept their re-election.

Nominations for the remaining vacancies on the Executive Committee comprised Lawrence Cheung from EPD and Rex Lai from Suez NWS Ltd. Following a brief introduction by the candidates members supported the nomination and a vote by a show of hands confirmed their appointment.

The final proceedings of the evening was to seek members acceptance for the nomination of Jude Chow as the Chairman for the forthcoming term. Members supported the nomination. In his acceptance remarks the incoming Chairman paid tribute to past chairmen and the specific areas of focus and influence they had made on the association. For his part the incoming chairman outlined the need to take advantage of current policy initiatives for MSW charging to enable an improvement environment for the recycling industry and to share knowledge and engage more with all stakeholders..

Victor in his role of outgoing Chairman thanked all members for their support in the past year and provided e-certificates of appreciation to organizational members.



Newly elected chairman Jude Chow



Presentation of past editions of Wasteline to retiring newsletter editor, Barry Adcock

Event

*Reported by David Pegg*



# Two Coasts Four Places Forum Hong Kong, 17 November 2017

On 17<sup>th</sup> November 2017, the 11th Two Coasts Four Places Forum on Sustainable Solid Waste Management was organized by the Hong Kong Waste Management Association (HKWMA) at The Hong Kong Polytechnic University. Approximately 100 guests attended the conference.

As a key annual activity, cross regional departments and institutional organizations participated in the discussion at this conference. Dozens of participants presented their ideas, state-of-the-art technologies, concerns and suggestions on environmental improvement for urban city development as well as solutions for municipal solid waste reduction, resource recovery, success stories of new products and demonstration projects in the surrounding regions.

The day after the forum discussion, HKWMA also arranged a site visit to the latest waste treatment facilities in Hong Kong such as T.PARK and WEEE Treatment and Recovery Facility at Eco Park.

During the discussion at the forum, there was fruitful innovative exchange between different parties such as organizations and experts, design institutes and government departments. According to the "Hong Kong Blueprint for Sustainable Use of Resources 2013 – 2022", Hong Kong's daily per capita domestic waste generation rate is high when compared to cities in Asia at stages of economic development similar to ours. The experience tells us that Hong Kong can do very much better if we take coordinated and simultaneous action on waste prevention, reuse, recycling, recovery, treatment and landfilling, as part of a whole resources management chain.

In the opening ceremony, Mr. Jude Chow, Chairman, HKWMA and Mr. Chin-wan TSE, BBS, JP, Acting Secretary for the Environment, The Government of the HKSAR shared the current situation in Solid waste management as well as reported on the overall approval progress and short term public development works in Hong Kong.

In the first keynote speech, Dr Hon Wai-kwok LO, SBS, MH, JP Legislative Councillor (Engineering Functional Constituency), HKSAR, presented a keynote speech titled "Hong Kong: Waste Management 2.0". Dr. Lo also encouraged the related industries should seize the opportunity to participate in "Guangdong, Hong Kong and Macao Greater Bay Area".



Forum Delegates



# Two Coasts Four Places Forum Hong Kong, Cont'd

Cont'd: After the first keynote speech delivered by Dr. Lo, Mr. Jude Chow, Chairman, Hong Kong Waste Management Association (HKWMA), presented a keynote speech titled "Challenges and Opportunities to Develop Sustainable Use of Resources in Hong Kong" to report the overall progress of solid waste management and treatment methods in Hong Kong. Honorable speakers included, Mr. Jiabao XIAO, Chairman, China Association of Urban Environmental Sanitation shared "Solid Waste Management in the Mainland – Overview in 2017 and The Way Forward". Mr. Xiao summarized the waste management trend in China that waste classification and separation at source is a key objective and many cities are actively promoting this approach. Private waste operators are gradually entering the market as local Government has started to outsource their operations. He also addressed proper food waste management in China was becoming a major focus and related treatment capacity upgrades and improvement were needed.

Mr. Eric TIAO, President, ECOVE Environment Services Corporation shared "Operation Supervision and Application Technology Integration of Energy-from-Waste Plant". Professor Shek Kiu CHAN, Emeritus Professor Institute of Science and Environment, University of Saint Joseph shared "Advanced Thermal Treatment of Municipal Solid Waste in Macao" and Ms. Jiao TANG, Head of Technical Cooperation, International Solid Waste Association shared "The 4th Industrial Revolution and Its Impacts on Waste Management"

During the afternoon session, Professor Irene LO, JP, Member of the Executive Committee, HKWMA and Mr. Louis CHAN, Past Chairman, HKWMA chaired multi disciplinary panel discussion for waste treatment technologies and waste management policy such as advanced thermal treatment and utilization of organic waste.

Professor Tien-Chin CHANG, Managing Supervisor, Chinese Institute of Environmental Engineering provided the closing speech.

Overall impression of the conference was well organized in an excellent conference venue. The Conference ended with a detail discussion between the audience, the speakers and panelist on all aspects of Solid Waste Management.



Conference Speakers and Organisers



# Eco-Asia Conference Waste Management and Recycling, October 2017

The Eco-Asia Expo has held at the Asia World Expo during the period 25-28<sup>th</sup> Oct 2017. The event provided an opportunity for Hong Kong companies and the Hong Kong Government to showcase waste treatment technologies and waste management approaches being applied in Hong Kong as well as for overseas companies and organizations to showcase their technologies and approaches to waste management. The event was conducted over four days with each day focused on a specific theme. Day 2 focused on water and waste management and the HKWMA Chairman, Jude Chow, chaired a panel session of overseas waste management practitioners that comprised representatives from South Korea, Netherlands, Japan, France and Hong Kong

Prior to the panel discussion the speakers made presentations on specific challenges and experience from their home countries. These presentations highlighted many of the same challenges facing Hong Kong. The presentations that had most direct relevance to Hong Kong were delivered by the speaker from South Korea who highlighted advances in Korean Waste Policy and how the recent Extended PRS and the Framework Act on Resources Collection (2016) was aimed at further enhancing infrastructure for resource collection to enable resource recirculation within the local community. These measures coupled with MSW volume rate charging had reduced MSW disposal to less than 1.0kg per person per day. The speaker from France provided an overview of trends in Europe whereby steps were being taken to enhance recycling activities through a combination of financial disincentives to utilize land fill and extended producer responsibility schemes that targeted consumer packaging.

The presentation highlight that measures being adopted overseas could be applied with suitable modification to enhance recycling and reduce of waste generation in Hong Kong.



Waste Management Session Chaired by Jude Chow (Vice- Chairman) and Presentation by Antoine Grange (Treasurer)

Conference



# Professional Waste Management Course

## Professional Waste Management Course

During the period 4 March to 13 May 2017, HKWMA jointly organized a Professional Course in Waste and Environmental Management 2017 with the Hong Kong Institution of Engineers Environmental Division, The Institution of Mechanical Engineers (HK Branch), and The Hong Kong Polytechnic University. The course consisted of 10 sessions and lasted for 10 Saturdays, including two site visits, one to Chemical Waste Treatment Facilities and the second visit was to T-PARK.

The course was specifically designed to cover different aspects of waste management in order to give a comprehensive picture. The course content included waste management policy, technologies for MSW and chemical waste, landfill, sewage and sludge treatment, construction & demolition waste, organic waste treatment and waste management plan. The course was taught by professionals in industry with some of them being HKWMA Exco members. The course was well attended with 28 attendees.

At the end of the course, an evaluation of the course was taken from participants. In general the feedback showed that the course content was comprehensive and well structured, speakers were experienced, well prepared and elaborated upon and provide good examples of waste treatment and disposal methods with practical examples. All participants enjoyed the site visits.

The course is run at two year intervals and the next course is planned for Spring 2019.





# WasteMET Asia Symposium, Singapore, 2017

The 2017 WasteMET Asia Symposium and exhibition themed “**REINVENT: Transform the Industry**” held on **19 – 20 October 2017** by Waste Management & Recycling Association of Singapore (WMRAS), one of our APWEA alliance members, at the Singapore EXPO. The symposium focused on exploring digital technologies to transform business models and processes, improve productivity and deepen enterprise capabilities among the waste management industry.

Our Chairperson Jude Chow & Immediate Past Chairperson Victor Li attended the event to network with waste management experts and professionals.

Dr Amy Khor, Senior Minister of State, Ministry of the Environment and Water Resources & Ministry of Health was there to give the opening address. Dr. Khor, also as the senior advisor to WMRAS, joined the welcoming dinner with the VIPs in the evening to share her vision and support with the association.

There were new and familiar faces from local as well as Korea, Thailand, Austria, Sweden, Germany, etc., not to mention that Mr Da Leong Ho, chairman of Waste Management Association of Malaysia (WMAM) was there to promote the ISWA 2018 congress to be held in KL, Malaysia by Oct 2018.

The conference was finished with a visit to the first demo project in Singapore to co-digest the source segregated food waste with thickened secondary sludge from municipal wastewater treatment plant at a capacity of 40 tons per day.





# ASEAN Waste Management Forum, 2017

The ASEAN Waste Management Forum 2017 organized by the Solid Waste Management Association Thailand (SWAT) on 15 December 2017 was another good networking opportunity with waste management professionals and leaders from Myanmar, Thailand, Lao People's Democratic Republic, Malaysia, Vietnam, Philippines, UN Environment Regional Office for Asia & the Pacific, ISWA and Hong Kong. Victor Li, our immediate past chairperson, attended and took the opportunity to share the latest development and opportunities of the Hong Kong waste management situation.

The forum provided learning opportunities for ASEAN member to understand strengths and advancement from other counterparts, but also to share the vision and attitude they have to embrace the changes and challenges ahead for waste management in their member states. Some members have to cope with unique waste management challenges and need to survive through not so straight forward enforcement and financial burdens.

The ISWA representative, Professor Dr. Goron Vujic used the topic "Circular Economy – Possible or Illusion for developing countries" to illustrate the promising future in the ASEAN region. Using the half empty glass perspective, he opined that one would find the opportunities within the region being database development; management & implementation tools development & testing; capacity building for the service providers; public private partnership development; locally adapted technological solutions and public education & awareness campaign. Interesting concepts like "Zero Baht Shop", GHG emission reduction in the waste management sector were uplifting and encouraging. To quote from Ms. Kakuko Yoshida of UN Environment Regional Office for Asia & the Pacific "Levies, fines or taxes on pollution are not enough to dissuade polluters and cover waste management costs. Disposal charges and grants are two most utilized routes to fund waste management in Asia. Waste management is a good investment and costs only 10-35% of the cost of in-action in Asia. More should be done with economic instruments targeting resource recovery and use of financing mechanism such as Green Bond and micro financing "



Conference

*Reported by Victor Li*



# Kwun Tong Community Green Station Site Visits

## **Kwun Tong CGS**

In order to engage Hong Kong citizens in making concerted efforts to put the new green culture of “Use Less. Waste Less” into practice and to treasure the resources in Hong Kong. The HK government is developing a network of Community Green Stations (CGS) in each of the 18 districts. The Kwun Tong Community Green Station, run by Christian Family Service Centre, is the third CGS to be commissioned and put into operation. HKWMA visiting the CGS on 21 October 2017.

Since its opening, Kwun Tong CGS has organized and hosted regular environmental activities and workshops to enhance environmental education and help collect different types of recyclables. The operators are particularly proactive in collecting recyclables of low economic value including electrical appliances, computers, glass beverage bottles, compact fluorescent lamps and tubes, rechargeable batteries, etc. from the local community, with a view to promoting green living at the community level.

On the day of the visit, HKWMA members were given an interactive presentation of the operation of CGS by the operation manager. The group was then shown the green design with respect to the construction of the facility. CGS is made of container modules and various types of green construction materials. There is a storage space which temporarily stores recyclables collected from residents in Kwun Tong.

All participants had a fantastic day at the Kwun Tong CGS and look forward to seeing more of them all over Hong Kong.





# In the News

## Exchange with Korean Counterparts

Through the HKWMA and Korea Waste Association, the Korean Government formed a delegation to visit Hong Kong between 27th November to 1st December 2017 in order to let their members understand more on resource recirculation policies and waste management in Hong Kong. The delegation comprised eighteen members with the delegation leader Mr. Moo Yeon Kim, Deputy Director of Korea Waste Resource Management Department.

During their visit, HKWMA organized site visits to WENT Landfill and T-PARK for the delegation, and hosted a lunch time sharing session in which our chairman Jude Chow and past chairman Kenny Wong presented on waste management in Hong Kong; whereas the Korean delegation shared on their waste management experience in Korea such as source separation in Korea, collection mechanism of waste, ways for food waste charging, and types of waste facilities being implemented in Korea. HKWMA also help organized a meeting for delegation to meet with the Environmental Protection Department to discuss about Hong Kong policy towards resource recirculation. The day ended with a dinner with HKWMA Exco members and the delegates to allow further exchange of information through dialogues under a more casual setting.

Through the visit of the Korean delegation, both parties learnt from each other. We hope to continue have more sharing and collaboration between Korean waste association and HKWMA.





# In the News

## SENT Landfill Gas Utilisation Plant

In November 2017 the SENT Landfill Gas Utilization Project was commissioned and has become the largest landfill gas conversion facility of its kind in Asia, with an investment of approximately HK\$350 million. The project is a collaboration between the Environmental Protection Department, Towngas and Green Valley Landfill Limited. It is one of the largest energy conservation and emission reduction environmental projects in Hong Kong.

The treatment facilities adopt landfill gas compressors and desulfurizers, the adoption of low-temperature purifiers (-25°C) and Pressure Swing Absorption transformers and contribute to a production capacity of 8,000 cubic metres of synthetic natural gas per hour. The landfill gas collected is converted into synthetic natural gas and then transmitted to the offtake station in Tseng Lan Shue through a 12 km pipeline and finally integrated into the gas supply network. The project reduces the emission of carbon dioxide by 56,000 tonnes per year. With the launching of the facility, renewable energy ratio in town gas production will be increased to about 5%.





# In the News

## **Waste Reduction Guidelines for Major Events**

EPD and BEC jointly issued, 11 Dec 2017, a booklet on waste reduction for major events to assist event organisers and stakeholders to formulate waste reduction and recycling measures for all major events. Events such as HK Rugby 7s and HK Flower Show have actively contributed following successful waste reduction measures at these events.

## **China Restrictions on Imported Recyclables**

HKWMA submitted a position paper to the Legco Panel on Environmental Affairs for the meeting held 18 December 2017 in response to the ban imposed by China on 24 types of recyclables. This ban has impact not only to Hong Kong but many other countries and advances the agenda and debate required on global resource recirculation and efforts towards local recycling. In Hong Kong there has been significant effort made over the last few decades to promote education of waste separation, reuse and recycling. Reverting to disposal to landfill or incineration would be counter productive to these efforts and the HKWMA has advocated a position to move towards a recirculation of resources model, implement enhanced producer responsibility schemes aimed at single use packaging and to enhance the application of the recycling fund to drive local recycling activity. The Chinese saying “ When there is a crisis, there is an opportunity” requires serious contemplation to make the recycling industry a core pillar of Hong Kong industry.

## **Student Chapter Update**

Over 160 registrations for Student chapter were received during the year 2016-2017. YMC will continue to organize different activity to our student chapter, such as internship opportunity, career talk, etc.

Other than HKUST, HKU and PolyU, CityU, Tsing Yi IVE and Chu Hai College will be invited this year for potential waste-related technical seminar and career talk as well.



# Forthcoming Events for your Diary

## Forthcoming Events

- Hong Kong Institution of Engineers (HKIE) - Environmental Division, "Developing intelligent Resource Preservation Strategies for Hong Kong: Challenges for Innovation and Sustainability", 27 April 2018
- HKWMA Spring Reception, Hong Kong Club, 30 April 2018
- ISWA World Congress, Sustainable Consumption towards Waste Minimisation, 22-24 Oct 2018

## Recently Completed Events

- BEC Enviroseries Conference, Hong Kong, 16 May 2017, Circular Economy: Towards a Resource Efficient Hong Kong
- HKIE Environmental Division Annual Forum, 27 April 2017, Emergence of Environmental Management and Engineering in the Development of Hong Kong into a World City
- 2<sup>nd</sup> international Conference on Biological Waste as Resource, 25-28 May 2017, Hong Kong Polytechnic University
- BEC Technical Seminar on Latest Development on Waste Management Technologies, 25 Jan 2018

## HKWMA Gives Its Support

- HKIE Recycling Study Mission to Korea/Japan, Summer 2018
- CIWEM Annual Dinner, July 2017

## HKWMA Gives Its Opinion

- HKWMA Vice Chairman attends Legco hearing on Waste Charging , 29 May 2017
- HKWMA provides written views on waste considerations for the Chief Executive Policy Address
- HKWMA provides written views to Legco Panel for Environmental Affairs for China import ban to recyclables, 18 Dec 2017