

By post and by email at mpoon@legco.gov.hk

15 July 2022

Subcommittee on Proposed Resolution
Relating to Glass Beverage Containers
under the Product Eco-responsibility Ordinance
Legislative Council Secretariat
Legislative Council Complex
1 Legislative Council Road
Central, Hong Kong

Dear Sir/Madam

**Views from The Hong Kong Institution of Engineers
on the Product Eco-responsibility (Regulated Articles) Regulation**

On behalf of the Institution, I am pleased to present to you our views and suggestions as set out in the enclosure for your consideration on the captioned subject.

With our expertise and experience, the Institution welcomes the opportunity to work with the Government on the area of concern if and when it is needed.

Thank you.

Yours faithfully



Ir Edwin CHUNG
President

EC/CKH/DW/SS

Enclosure

**Views from The Hong Kong Institution of Engineers
Regarding Product Eco-responsibility (Regulated Articles) Regulation**

The Hong Kong Institution of Engineers (“HKIE”) has reviewed the operational details for the implementation of the producer responsibility on glass beverage containers (“GBC”) under the Product Eco-responsibility Ordinance (Cap. 603) (“Ordinance”) and is in general supportive of the proposed amendments to the Ordinance. The HKIE would like to offer the following suggestions for consideration of the Legislative Council Subcommittee on Proposed Resolution Relating to Glass Beverage Containers under the Product Eco-responsibility Ordinance:

2. In the common practice of concrete making, Pulverised Fuel Ash (“PFA”) or Fly Ash from coal-fired power station may be added to concrete. With the shifting away from coal-fired power in Hong Kong, there is now a lack of PFA. The HKIE would like to suggest that the Government encourages tertiary institutions, research and development facilities, and the industry to consider and enhance the use of Ground Glass Powder, which has a pozzolanic property, as a potential replacement of PFA in concrete making. Glass powder recycled from GBC can potentially replace a certain percentage of cement similar to PFA and therefore may help cut down cement – an energy-hungry material – in concrete making, and hence helping to achieve reduction in carbon footprint.

3. The Institution supports the construction of an offshore liquefied natural gas (LNG) terminal in the offshore waters to the east of Soko Islands with the adoption of the technology of Floating Storage Regasification Unit to regasify the LNG for transmitting natural gas to power stations in Black Point and Lamma Island through subsea pipelines for electricity generation. The Institution considers this initiative a critical step in supporting Hong Kong Government’s plan to increase the percentage of natural gas used for power generation, reduce the amount of supply of PFA and contribute to the reduction of carbon intensity in the city.