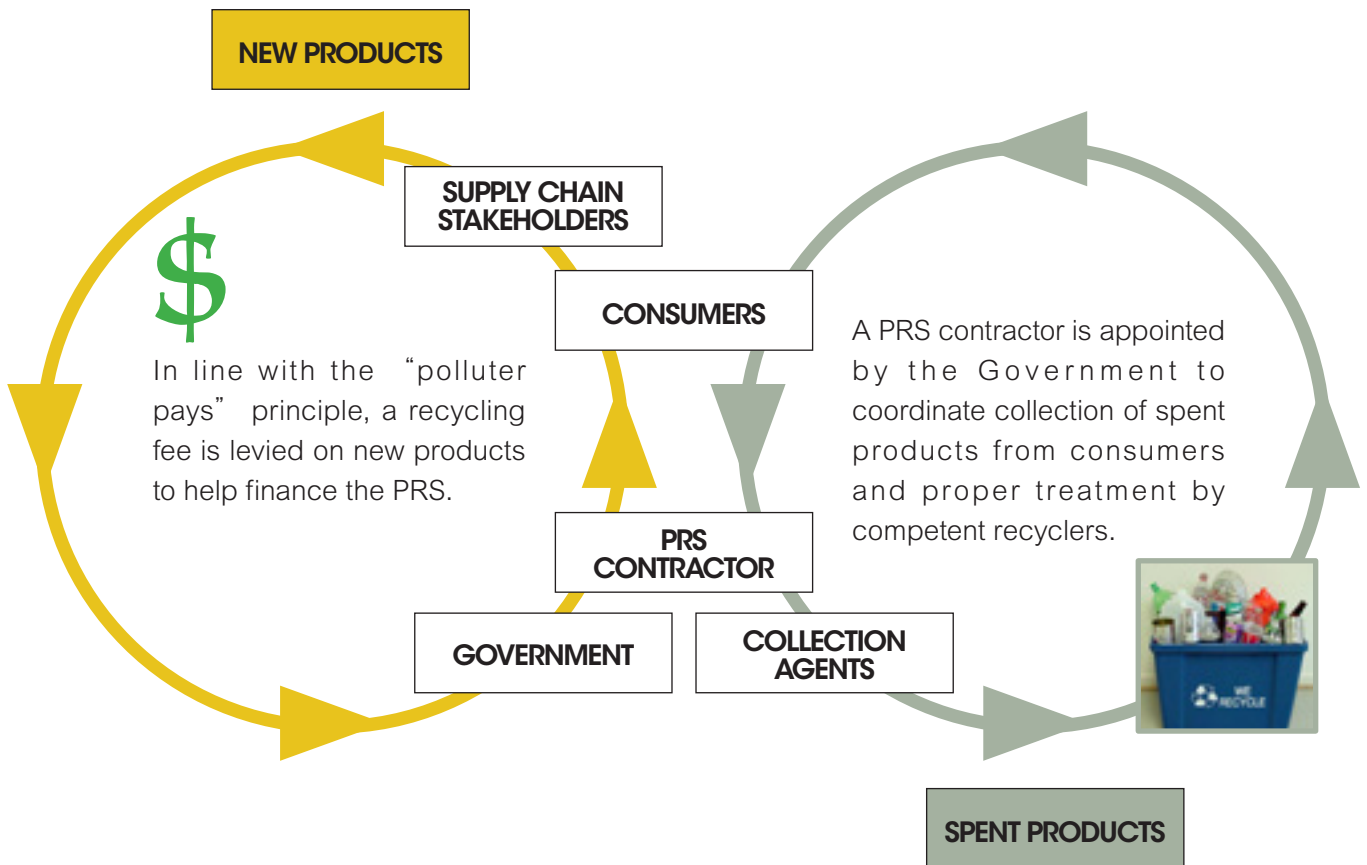


Annex A

Producer Responsibility Scheme : Our Local Model



Annex B

Glass Recycling Programmes supported by the Government

- **“Glass Container Recycling Programme for the Hotel Sector”**, organised by the Hong Kong Hotels Association

Managed by the Hong Kong Hotels Association with technical support from EPD, the programme was first rolled out in November 2008 to help the hotel sector to reduce their waste and ensure their glass bottles are handled in an environmentally sound manner. In 2012-13, a total of 27 hotels have participated and they jointly finance the programme. As at end 2012, over 2,400 tonnes of waste glass beverage bottles (cumulative) had been recovered under this programme for production of eco-pavers.

- **“Glass Bottle Recycling Campaign”** organised by Hong Chi Association

Hong Chi Association started this programme in April 2010 with the generous funding support from the Hong Kong Jockey Club Charities Trust. EPD has been offering professional advice. The programme comprises both environmental protection and social service elements by engaging trainees with intellectual disabilities in suitable recycling operations. Through continuous expansion, the programme is now serving 48 private housing estates, 15 commercial organisations, 15 NGOs in addition to the 26 collection points in Hong Chi’s service centres. As at end 2012, over 1,000 tonnes of glass bottles (cumulative) had been collected for recycling under the programme.

- **“Green Glass Green”** organised by the Hong Kong Dumper Truck Drivers Association

Green Glass Green, launched in June 2010, is a glass recycling programme organised by the Hong Kong Dumper Truck Drivers Association with funding support from the ECF. The programme now covers mainly the bar and restaurants areas in Wanchai and SoHo districts as well as a number of collection points set up with private clubs, housing estates and NGOs at some public accessible locations. As at end 2012, over 900 tonnes of waste glass (cumulative) had been collected for recycling into glass sand to produce eco-pavers.

■ **“Pilot Programme on Source Separation of Glass Bottles”** at public housing estates in East Kowloon

In order to test out the logistics arrangement for recycling of glass bottles in residential settings, EPD joined hands with the Hong Kong Housing Authority (“HKHA”) to launch this pilot programme in December 2010. As it first started, it covered six HKHA-managed public rental housing (“PRH”) estates in East Kowloon. By now, it has been extended to all PRH estates in the region serving a population of 340,000 people or 125,000 households. As at end 2012, over 170 tonnes of glass bottles (cumulative) had been collected for recycling.

■ **“Shatin Glorious Glasses”** organised by the Shatin Inhabitants Association

With funding supporting from the ECF, Shatin Inhabitants Association rolled out the “Glorious Glasses in Shatin” in February 2012. This comparatively new programme serves mainly residential estates, schools and some restaurants in Shatin district. As at end 2012, over 45 tonnes of waste glass (cumulative) had been collected for production of eco-pavers.

Note:

1. In addition to the above, there are other community-based initiatives promoting glass recycling. For instance, in support of the Community Recycling Booth set up by EPD on Lamma every Friday and Saturday’s afternoons to promote recycling, Living Lamma initiated a voluntary recycling programme in collaboration with the restaurants and bars on the island to collect their bottles and deliver the Community Recycling Booth for recycling since March 2012. As at the end of 2012, over 50 tonnes of glass bottles (cumulative) had been collected for production of eco-pavers.
2. As at end 2012, there is one voluntary glass recycling programme having obtained in-principle support from the ECF but has yet to commence actual operation.

Annex C

Overseas Experience in Asia in Promoting Glass Beverage Bottle Recycling through a Government-led Approach

	Jurisdiction	Year of Implementation	Collection and Processing	Recovery Rate	Remarks
1	Japan	1997	Manufacturers to meet recycling targets and properly recycle recovered glass beverage bottles on their own OR discharge such obligations by paying a fee to a fund which supports processing operations	~95% (as at 2006)	
2	Taiwan	1997	Manufacturers to pay a recycling fee into a government fund which supports processing operations as well as other education projects	~84% (as at 2008)	
3	South Korea	2002	Manufacturers to meet certain recycling targets on their own OR discharge such obligations by paying a fee to a fund which supports processing operations	~70% (as at 2006)	Manufacturers to produce easy-to-recycle products as a mandatory requirement

Annex D

Potential Reuse of Waste Glass Materials¹ in the Construction Sector

1.	Eco-Paver ⁽²⁾⁽³⁾	To replace river sand and aggregates in the production of paving blocks
2.	Eco-Partition Blocks ⁽³⁾	To replace aggregates in the production of partition blocks
3.	Fill Material	To be used as filled materials in site formation, backfilling and reclamation works
4.	Glassphalt ⁽⁴⁾	To replace natural aggregate in the production of bituminous materials for road paving
5.	Blanket Drainage Layer ⁽⁴⁾	To replace natural or recycled aggregate for constructing blanket drainage layers in landfills to facilitate the collection of leachate
6.	Cement Mortar ⁽³⁾	To replace river sand in the production of cement mortar for building and refurbishment works

Note:

1. After suitable processing to comply with relevant technical specifications.
2. The use of glass cullet in the production of eco-pavers for use in construction works has attained an implementation stage.
3. There is potential for use in private-sector construction works.
4. Subject to further testing for use in public works.

Annex E

Response Form

Part I (Note)

This is a corporate response (representing the views of a group or an organisation),
 private response (representing the views of an individual),
by _____
(name of person or organisation)
at _____ And _____
(telephone) (email)

Note:
The Government may wish, either in discussion with others or in any subsequent report, whether privately or publicly, to be able to refer to and attribute views submitted in this response. Any request to treat all or part of a response in confidence will be respected, but if no such request is made, it will be assumed that the response is not intended to be confidential.

Part II

Specific Questions for Consultation

Q1 : Do you agree that we should now proceed to pursue a mandatory PRS on glass beverage bottles as a priority among different types of glass bottles, because this removes the largest number of glass bottles?
For glass beverage bottles to be covered under the mandatory PRS now:

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

For glass food/sauce bottles to be covered under the mandatory PRS in a future phase:

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

Views: _____

Q2 : At present, a person who carries out a food importation or distribution business must be registered under the Food Safety Ordinance (Cap 612). Do you agree that the recycling fee for the PRS should be collected from those registered food importers and distributors who import or distribute glass-bottled beverages for local consumption? Who else would also be in the position to serve as the anchor point for the fee?

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

I am/We are NOT aware of any other stakeholders who should also act as the fee collecting agent.

I/We consider that the stakeholders as elaborated below should also act as the fee collecting agent.

Views: _____

Q3 : For ordinary consumers, do you find it helpful if a beverage retailer could advise you on how to participate in glass bottle recycling? For beverage retailers, are there any practical difficulties that would prevent you from providing recycling-related information to consumers?
For ordinary consumers:

Not helpful at all	Not very helpful	Neutral	Helpful	Very helpful

For beverage retailers:

I/We have NO practical difficulties to provide recycling-related information to consumers upon request.

I/We have practical difficulties to provide recycling-related information to consumers upon request, as elaborated below.

Views: _____

Q4 : As a matter of principle, we should ensure that any end-of-life products under a PRS are efficiently collected for environmentally sound recycling processes to produce reusable materials. Do you agree that new licensing control for the processing of waste glass beverage bottles could contribute to the accomplishment of the said objective of the PRS?

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

Views: _____

Q5 : Do you agree that beverage suppliers with a satisfactory corporate reuse / recycling plan could be exempted from the payment of a recycling fee? Are you aware of any other stakeholders who should also be entitled to similar exemption?

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

I am/We are NOT aware of any other stakeholders who should also be entitled to exemption from the payment of a recycling fee.

I/We consider that the stakeholders as elaborated below should also be entitled to exemption from the payment of a recycling fee.

Views: _____

Q6 : Do you agree that a landfill ban on glass beverage bottles should be introduced? If yes, how it should be refined for better implementation?

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

Views: _____

Part III

Other comments



Please fold here. 請在此對摺

飲品玻璃樽生產者責任計劃公眾諮詢
回應表格

Public Consultation on
a New Producer Responsibility Scheme on Glass Beverage Bottles
Response Form

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Environmental Protection Department
Waste Management Policy Division

Room 4522, 45th floor, Revenue Tower
5 Gloucester Road
Hong Kong



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