



世界自然基金會
香港分會

WWF-Hong Kong

香港新界葵涌葵昌路 8 號
萬泰中心 15 樓
15/F, Manhattan Centre
8 Kwai Cheong Road
Kwai Chung, N.T., Hong Kong

電話 Tel: +852 2526 1011
傳真 Fax: +852 2845 2764
wwf@wwf.org.hk
wwf.org.hk

Chairman and Members of Panel on Environmental Affairs, Legislative Council

(c/o Clerk to Panel on Environmental Affairs)

Legislative Council Complex,
1 Legislative Council Road, Central, Hong Kong

19 February 2021

(By e-mail)

Dear Sir/Madam,

**Re: Panel on Environmental Affairs Meeting on 22 February 2021, agenda item
#IV “Retrofitting of noise barriers”**

We understand the above captioned will be discussed during the meeting of the Panel on Environmental Affairs on 22 February 2021. WWF-Hong Kong (WWF) would recommend the following actions be taken:

1. Apply solar photovoltaic (PV) technology on noise barriers

The use of solar PV on noise barriers was successfully tested in Switzerland in 1989. As mentioned in the Climate Action Plan 2030+, PV projects are being considered on public infrastructure, including on noise barriers. In order to facilitate the use of solar PV technology on noise barriers, the government should relax the requirement of “open spaces or flat surfaces with unshaded solar exposure area greater than 1000m²” as stated in the Development Bureau Technical Circular No. 2/2015 and Environment Bureau Circular Memorandum No. 3/2015 on “Green Government Buildings”.

2. Adopt bird strike prevention design

The government should design noise barriers to minimize bird collisions. Transparent or reflective vertical panels are prone to bird strikes. The use of marks with various patterns visible to birds are known to be an effective collision prevention method. Materials that reflect ultraviolet light are particularly effective at reducing bird collisions.

together possible™

贊助人：香港特別行政區行政長官
林鄭月娥女士, 大紫荊勳章, GBS
主席：白丹尼先生
行政總裁：江偉智先生

義務核數師：香港立信德豪會計師事務所有限公
司
義務公司秘書：嘉信秘書服務有限公司
義務司庫：匯豐銀行
註冊慈善機構

Patron: The Honourable Mrs Carrie Lam Cheng Yuet-ngor, GBM,
GBS
The Chief Executive of the HKSAR
Chairman: Mr Daniel R Bradshaw
CEO: Mr Peter Cornthwaite

Honorary Auditors: BDO Limited
Honorary Company Secretary:
McCabe Secretarial Services Limited
Honorary Treasurer: HSBC
Registered Charity
(Incorporated With Limited Liability)

We believe our recommendations are an important step to help Hong Kong achieve carbon neutrality before 2050. We hope to see Hong Kong being Asia's most sustainable and liveable city which we will all be proud of.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'D. Olson', written in a cursive style.

David Olson
Director of Conservation
WWF-Hong Kong

Encl.

Cc: Mr KS Wong, Secretary for the Environment
Ms Michelle Au, Political Assistant to Secretary for the Environment