

立法會
Legislative Council

LC Paper No. CB(3)214/2023

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Tel : 3919 3300

Date : 24 March 2023

From : Clerk to the Legislative Council

To : All Members of the Legislative Council

Council meeting of 29 March 2023

**Amendments to Dr Hon Hoey Simon LEE's motion on
“Comprehensively promoting the development of
hydrogen energy industry in Hong Kong”**

Further to the email (LC Paper No. CB(3)186/2023) issued on 16 March 2023, the President has given permission for four Members (Prof Hon William WONG, Ir Hon CHAN Siu-hung, Hon CHAN Hak-kan and Ir Hon LEE Chun-keung) to move amendments to Dr Hon Hoey Simon LEE's motion, and has directed that the amendments be printed in the terms in which they were handed in on the Agenda of the Council.

2. The President will order a joint debate on the above motion and the amendments. I set out below the relevant proceedings in which the President will:

- (a) call upon the motion mover to speak and move the motion;
- (b) propose the question on the motion;
- (c) call upon the Members who wish to move amendments to the motion to speak in the following order, but no amendment is to be moved at this stage:
 - (i) Prof Hon William WONG;
 - (ii) Ir Hon CHAN Siu-hung;
 - (iii) Hon CHAN Hak-kan; and
 - (iv) Ir Hon LEE Chun-keung;

- (d) call upon the public officer(s) to speak;
- (e) invite other Members to speak;
- (f) call upon the motion mover to speak on the amendments;
- (g) call upon the public officer(s) to speak again;
- (h) deal with the amendments in the order set out in paragraph (c) above, i.e. first invite the mover of the first amendment to move the amendment and forthwith propose and put to vote the question on the amendment, and thereafter proceed to deal with the remaining amendment(s); and
- (i) after all amendments have been dealt with, call upon the motion mover to reply, and then put to vote the question on the motion, or the motion as amended, as the case may be.

3. The terms of the original motion and the marked-up version of the amendments (LC Paper No. CB(3)214/2023(01)) are attached for Members' easy reference. The amendments are also accessible via the hyperlink below: <https://www.legco.gov.hk/yr2023/english/counmtg/motion/cm20230329m-lhs.htm>

4. Members are reminded that in accordance with Appendix IIIA to the House Rules, the **maximum duration of this joint debate (including voting) is four hours**. The motion mover will have a total of 10 minutes to make introductory speech and reply (paragraph 2(a) and (i) above refers), and another five minutes to speak on the amendment(s) (paragraph 2(f) above refers). The mover(s) of the amendment(s) and other Members may each speak once up to a maximum of five minutes.

5. For enquiries, please contact **Ms Jacqueline LAW at tel. no. 3919 3306**.

(Miranda HON)
for Clerk to the Legislative Council

Encl.

(Translation)

**Motion debate on
“Comprehensively promoting the development of
hydrogen energy industry in Hong Kong”**

1. Dr Hon Hoey Simon LEE’s original motion

That hydrogen energy, with its advantages of high energy density and zero carbon emissions, has become an important strategic decision for various countries to expedite the transformation and upgrading of energy sources and nurture new economic growth spots; the country published the Medium and Long-Term Plan for the Development of Hydrogen Energy Industry (2021-2035) in 2022, and Singapore has also recently launched Singapore’s National Hydrogen Strategy; to tie in with the development trend of the hydrogen energy industry, this Council proposes that the Government should:

- (1) launch systematic studies on areas surrounding the production, storage, utilization, etc. of hydrogen energy, with a view to formulating a development plan for the hydrogen energy industry in Hong Kong;
- (2) pay focused attention to the certification and rating of hydrogen energy, and carry out the certification and grading based on the production process of hydrogen energy, and issue the corresponding carbon index certification; and
- (3) actively promote the inclusion of hydrogen energy into Hong Kong’s carbon emissions trading market, and further develop carbon trading and carbon finance.

2. Motion as amended by Prof Hon William WONG

That, to tie in with the national goals of achieving carbon emission peak and carbon neutrality set out in the ‘14th Five-Year’ Development Plan for Renewable Energy, and to achieve the target of carbon neutrality before 2050 put forward in the Hong Kong’s Climate Action Plan 2050, Hong Kong must promote the high-quality development of renewable energy industry; in particular, hydrogen energy, with its advantages of high energy density and zero carbon emissions, has become an important strategic decision for various countries to expedite the transformation and upgrading of energy sources and nurture new economic growth spots; the country published the Medium and Long-Term Plan for the Development of Hydrogen Energy Industry (2021-2035)

in 2022, and Singapore has also recently launched Singapore's National Hydrogen Strategy; to tie in with the development trend of the hydrogen energy industry, this Council proposes that the Government should:

- (1) launch systematic studies on areas surrounding the production, storage, utilization, etc. of hydrogen energy, with a view to formulating a development plan for the hydrogen energy industry in Hong Kong; ***and at the same time commence a study on enacting relevant legislation;***
- (2) ***discuss with other cities in the Guangdong-Hong Kong-Macao Greater Bay Area on the joint research, development and promotion of hydrogen energy industry development projects, and import hydrogen energy from the Mainland;***
- ~~(2)~~(3) pay focused attention to the certification and rating of hydrogen energy, and carry out the certification and grading based on the production process of hydrogen energy, and issue the corresponding carbon index certification; and
- ~~(3)~~(4) actively promote the inclusion of hydrogen energy into Hong Kong's carbon emissions trading market, and further develop carbon trading and carbon finance.

Note: Prof Hon William WONG's amendment is marked in ***bold and italic type*** or with deletion line.

3. Motion as amended by Ir Hon CHAN Siu-hung

That, ***electricity generation and transport are the major sources of carbon emissions in Hong Kong, and promoting the use of new energy will help the Government reduce the total carbon emissions from the 2005 level by half before 2035, thereby achieving the goal of carbon neutrality before 2050;*** hydrogen energy, with its advantages of high energy density and zero carbon emissions, has become an important strategic decision for various countries to expedite the transformation and upgrading of energy sources and nurture new economic growth spots; the country published the Medium and Long-Term Plan for the Development of Hydrogen Energy Industry (2021-2035) in 2022, and Singapore has also recently launched Singapore's National Hydrogen Strategy; to tie in with the development trend of the hydrogen energy industry, this Council proposes that the Government should:

- (1) launch systematic studies on areas surrounding the production, storage, utilization, ***safety***, etc. of hydrogen energy, with a view to formulating ***a***

policy and a development plan for the hydrogen energy industry in Hong Kong;

- (2) pay focused attention to the certification and rating of hydrogen energy, and ~~carry out the~~ *study the establishment of a set of internationally recognized* certification and grading based on the production process of hydrogen energy, ~~and issue the corresponding carbon index certification;~~ and
- (3) actively promote the inclusion of hydrogen energy into Hong Kong's carbon emissions trading market, and further develop carbon trading and carbon finance.

Note: Ir Hon CHAN Siu-hung's amendment is marked in *bold and italic type* or with deletion line.

4. Motion as amended by Hon CHAN Hak-kan

That *achieving the goals of carbon emissions peaking and carbon neutrality is an important direction for the environmental protection policy;* hydrogen energy, with its advantages of high energy density and zero carbon emissions, has become an important strategic decision for various countries to expedite the transformation and upgrading of energy sources and nurture new economic growth spots; the country published the Medium and Long-Term Plan for the Development of Hydrogen Energy Industry (2021-2035) in 2022, and Singapore has also recently launched Singapore's National Hydrogen Strategy; to tie in with the development trend of the hydrogen energy industry, this Council proposes that the Government should:

- (1) launch systematic studies on areas surrounding the production, storage, utilization, *transportation*, etc. of hydrogen energy, with a view to formulating a development plan for the hydrogen energy industry in Hong Kong;
- (2) pay focused attention to the certification and rating of hydrogen energy, and carry out the certification and grading based on the production process of hydrogen energy, and issue the corresponding carbon index certification; ~~and~~
- (3) actively promote the inclusion of hydrogen energy into Hong Kong's carbon emissions trading market, and further develop carbon trading and carbon finance;

- (4) *formulate standards and norms for the hydrogen energy industry, including strengthening the safety management of such areas as the production, storage and transportation, as well as utilization of hydrogen energy, and promote the training of hydrogen energy professionals; and*
- (5) *promote the use of hydrogen fuel cell e-buses and medium and heavy vehicles, study and plan for the construction of hydrogen refilling networks, and install hydrogen refilling facilities at existing petrol filling stations.*

Note: Hon CHAN Hak-kan's amendment is marked in *bold and italic type* or with deletion line.

5. Motion as amended by Ir Hon LEE Chun-keung

That *considered to be the clean energy with the greatest development potential in the 21st century*, hydrogen energy, with its advantages of high energy density and zero carbon emissions, has become an important strategic decision for various countries to expedite the transformation and upgrading of energy sources and nurture new economic growth spots, *which can also help achieve the goals of carbon emissions peaking and carbon neutrality*; the country published the Medium and Long-Term Plan for the Development of Hydrogen Energy Industry (2021-2035) in 2022, and Singapore has also recently launched Singapore's National Hydrogen Strategy; to tie in with the development trend of the hydrogen energy industry, this Council proposes that the Government should:

- (1) launch systematic studies on areas surrounding the production, storage, utilization, etc. of hydrogen energy, with a view to formulating a development plan for the hydrogen energy industry in Hong Kong;
- (2) pay focused attention to the certification and rating of hydrogen energy, and carry out the certification and grading based on the production process of hydrogen energy, and issue the corresponding carbon index certification; ~~and~~
- (3) actively promote the inclusion of hydrogen energy into Hong Kong's carbon emissions trading market, and further develop carbon trading and carbon finance; *and*
- (4) *make use of the new development areas such as the Northern Metropolis and the Lok Ma Chau Loop as a 'springboard' to introduce a quality hydrogen energy industry, so as to promote Hong Kong as a*

demonstration base for the development of hydrogen energy in the country and assist the hydrogen energy industry in going global.

Note: Ir Hon LEE Chun-keung's amendment is marked in ***bold and italic type*** or with deletion line.