

Referring to the “Future Fuel Mix for Electricity Generation Consultation Document”, I am writing to against Option 1, i.e., importing more electricity through purchase from the Mainland power grid” based on following reason:

1. Refer to Item 4.16 on P32 of the Document, “In 2012, generating units powered by non-fossil fuels accounted for about 44% of the installed capacity of CSG” However refer to the official website of CSG, the actual amount of electricity generated by non-fossil fuels is only 38% of total amount of generated electricity
2. Core business of CSG is maintaining the power distribution network and the CSG is not responsible for power generation. It is noticed that Chinese government is planning to install more nuclear power plants in south China. Importing power from CSG is encouraging the usage of nuclear energy, and that will increase the risk of Hong Kong on safety issue.
3. Refer to “Kyoto Protocol”, it is foreseeable that Global Carbon Dioxide Licensing System will be adopted in future. Although the Document claimed that the importing electricity from CSG will be cheaper, the Document is fail to consider the impact on the Global Carbon Dioxide Licensing System in future. On the contrary, the government can control the carbon dioxide emission rate through the local regulation and the risk of Global Carbon Dioxide Licensing System can be control by Hong Kong Government herself.
4. The Document is fail to discuss the over production of electricity at this moment. One example is CLP’s 600MW power storage capacity in Guangzhou Pumped Storage Power Station for the storage of over produced electricity. Moreover, the existing tariff scheme is fail to encourage the user to adopting new technology such as thermal storage system to reduce the total capacity of power plant. The government should do something to encourage the developer to adopt new technology and reduce the size of power plant during the future replacement.
5. The increment of power consumption shall be further slow down after the completion of major data centre and railway. Hong Kong power companies shall be able to handle the demand.
6. In future, Data Centres will be major end users. The power quality by CSG may not be high enough for the data centre operation.

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