



Hong Kong Green Strategy Alliance

香港綠色策略聯盟

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Email: eiaocomment@epd.gov.hk

EIA Ordinance Register Office
Environmental Protection Department
27th floor, Southorn Centre, 130
Hennessy Road, Wanchai, Hong Kong

Dear Sir/Madam,

Response to the Additional Gas-fired Generation Units Project

Hong Kong Green Strategy Alliance (HKGSA) is a non-profit making organization founded in 2012 by a group of professionals and stakeholders who are visionary and wish to undertake the responsibility on the issues of environmental protection and sustainable development. Through active participation, discussions and exchange of views in green issues, projects and technologies etc., HKGSA would offer our professional opinions and solutions to tackle green issues in Hong Kong and neighboring region.

HKGSA would like to submit views related to the Additional Gas-fired Generation Units Project. Please find enclosed our submission in Appendix for your perusal.

Should you have any queries, please feel free to contact me at 9032 3816 (drwklo@gmail.com) or our Honorary Secretary Ir Kenny Wong at 2788 5647 / 9482 3227 (irkennywong@gmail.com).

Yours sincerely,

Ir Dr. Hon LO Wai Kwok, SBS, JP
Chairman, Hong Kong Green Strategy Alliance
Encl.

Response to the Additional Gas-fired Generation Units Project

1. Based on the result of the Public Consultation on Future Fuel Mix for Electricity Generation, the Government outlined its plan for the fuel mix last year, aiming to increase the natural gas proportion in electricity generation from 21% in 2013 to around 50% in 2020. Using more natural gas in power generation could significantly reduce emissions from power plants. HKGSA believes this can improve air quality and reduce green-house gases emissions by a great extent.
2. The purpose of CLP's current proposal is to consider the installation of up to two additional gas-fired generation units (hereafter referred to as "the Project"). Although CLP currently operates 8 gas-fired generators, the installed capacity cannot meet the target of having around 50% natural gas in the fuel mix. To fulfill the government's fuel mix target and reduce emissions, expanding the gas-fired capacity with a new gas-fired unit would be a prerequisite.
3. Moreover, the air quality impact assessment results have shown that the new unit would lead to a reduction of up to 19% in nitrogen oxides emissions and a reduction of up to about 10% in emissions of sulphur dioxide and respirable suspended particulates, as compared to the emissions target of 2020. The results are encouraging, meaning the new unit's commission will further enhance the air quality against the pre-set targets. The EIA Study also concluded that, with the implementation of the recommended mitigation measures, the Project would be environmentally acceptable and in compliance with the relevant assessment standards/criteria of the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM).
4. As shown by the EIA Study, the implementation of the Project is in line with the Government's objective of improving air quality and reducing carbon intensity of Hong Kong, and is consistent with the Government's strategy of increasing the use of natural gas for local power generation. The Project would also allow the increasing electricity demand to be met in the future. Thus, HKGSA is of the opinion that the environmental permit application of the Project should be approved.

5. HKGSA also urges the Government to closely monitor the Project during the construction and operation stage, ensuring that there are no unacceptable impacts on the environment and all technical standards/criteria are well observed.
6. In the long run, HKGSA urges the Government to formulate expeditiously a long-term energy supply strategy in the light of the results of the Public Consultation on Future Fuel Mix for Electricity Generation and the Public Consultation on the Future Development of the Electricity Market, so as to identify a cleaner fuel mix that can respond flexibly to future environmental changes, as well as a viable option that can promote the healthy and stable development of the electricity market.