



ENERGY DIVISION
MINISTRY OF ENERGY AND BUSINESS
GOVERNMENT OF BARBADOS
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Ref. No.: 7325/1 Vol. IV

Date: December 11, 2024

Mr. Thibault Menage
Vice President, USA & Caribbean
HDF Energy Caribbean
Hastings Business Centre
1st Floor
Marine Gardens
Hastings
CHRIST CHURCH
BB15154

Dear Sir,

APPROVAL OF APPLICATION NO. 2694 – RENEWSTABLE (BARBADOS) INC.

Reference is made to the captioned application, which was submitted to the Ministry of Energy and Business on February 11, 2022.

I am directed to inform you that application No. 2694 - Renewstable (Barbados) Inc. has been approved for a generation licence, under the Electric Light and Power Act, with installed capacity and the amount of firm energy exported to the grid of 50 MW_{DC} / 13 MW_{AC}. The following conditions shall apply:

1. Photo-voltaic (PV) Generation License for 13 MW_{AC} export with conditions that Feed in Tariff Rate is not to apply (Rate to be determined by Fair Trading Commission).
2. Battery Storage License not applicable.
3. Hybrid License for the 13 MW_{AC} not applicable.
4. The Planning Development Department (PDD) Conditions under PDD application #1735/10/2021D including:
 - i. Condition 2 of the approval is that the development permitted shall begin no later than 5 years from the date of the permission and shall be deemed to have lapsed requiring a new application if not commenced within that time;
 - ii. Condition 16 stated that “all necessary fire precaution measures shall be carried out to the satisfaction of the Chief Fire Officer prior to the commencement of operations of the system and a fire safety inspection conducted as mandated by the Safety and Health at Work Act-2005 on completion of the works”. Some of the measures include:

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- (a) Implementation of safety measures for proper handling of hydrogen through the NFPA 2 Hydrogen Technologies Code. This code provides fundamental safeguards for the generation, installation, storage, piping, use and handling of hydrogen in compressed gas (GH20 form) or cryogenic liquid (LH2 form);
 - (b) Installation of fixed and mobile gas concentration detection systems to detect any atmospheric change from normal requirements; and
 - (c) Installation of a fire alarm system with incorporated smoke detectors and strobe light.
- iii. the submission of a Decommissioning Scheme and its Requirements were highlighted as Condition 9.
- 5. Compliance with the Environmental and Social Impact Assessment (ESIA) undertaken, including, but not limited to:
 - i. Management of Hazardous Materials
 - ii. Anticipated Emissions, Discharges and Wastes
 - iii. Design Mitigation Measures and Environmental Protection Procedures
 - iv. Occupational Safety and Health Requirements
 - v. Biophysical and Ecological Environment
 - vi. Anthropogenic Environment
 - vii. Atmospheric and Acoustic Environment
 - viii. Surface Water and Groundwater Resources
 - ix. Flora and Fauna
 - x. Visual Environment
 - xi. Agriculture and Other Land Uses
 - xii. Accidents, Malfunctions, Emergencies and Disasters
 - xiii. Social Impact Assessment and Mitigation
 - xiv. Cumulative Impact Assessment and Mitigation
 - xv. Monitoring and Management Plan
 - xvi. Emergency and Disaster Management Plan
 - xvii. Construction Management Plan
 - xviii. Water Supply, Treatment and Storage
 - xix. Environmental Emergencies and Planning Measures

- xx. Incident Spill Response and Reporting in accordance with the Barbados National Oil Spill Response Contingency Plan; and
 - xxi. Fire and Explosion Response.
6. With respect to fires related to lithium-ion batteries and hydrogen storage, HDF Energy is required to work with the Barbados Fire Service (BFS) and the Environmental Protection Department (EPD) as necessary to evaluate the hazards related to storage.
 7. HDF Energy shall select a mature battery energy storage system (BESS) technology that conforms to international best practices.
 8. A battery fire response plan will be developed as a component of the Emergency Response Plan (ERP).
 9. HDF Energy shall facilitate training in international best practices and tools for hydrogen fire response for BFS personnel servicing the parish of St. Philip.
 10. HDF Energy shall ensure all engineering designs will comply international standards addressing hydrogen technologies, hydrogen storage facilities, piping, generators, leak detection and explosion prevention.
 11. Compliance with all GEED requirements.
 12. Clearing of the Detail Design Points under the Barbados Light and Power Co. Ltd. CIA.
 13. Compliance with the 70 - 30 local participant requirement or such other related requirements in place.

Yours faithfully,



KEISHA REID (Ms.)
for Permanent Secretary