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REPUBLIC OF BOTSWANA

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ALL CORRESPONDENCE TO BE ADDRESSED TO THE DIRECTOR

REF: DMS 1/10/8 I (32)

12th April 2018

**UNFCCC Secretariat
Standard Setting Unit
Sustainable Development Mechanisms
Martin-Luther-King-Strasse 8
53175 Bonn
Germany**

Dear Sir/Madam

**SUBMISSION OF THE REVISED STANDARDISED BASELINE ASB
0001: GRID EMISSION FACTOR FOR ELECTRICITY SYSTEM IN
SOUTHERN AFRICA**

The DNA of Botswana herewith submits an update of ASB 0001 to the UNFCCC Secretariat for consideration. The submission comprises the following:

- i) The duly completed "Approved standardized baseline update request form" (CDM-ASU-FORM),
- ii) The proposed updated standardized baseline, highlighting the proposed changes to the approved standardized baseline,
- iii) All additional documentation supporting the submission such as the current calculation of the GEF,
- iv) the assessment report, issued by TUEV Nord GmbH and
- v) the letters of endorsement from Parties to which this SB applies to DNA of Botswana.

The GEF is based on data which has been provided by the power utilities to the SAPP Coordination Centre (CC). The CC validated the gathered data as well as its analysis with all power utilities involved.

However, the DNA of Republic of South Africa (RSA), being hosted by the Department of Energy prepares a carbon tax which may consider the SB value as input. Against that background, the DNA of RSA organized a national stakeholder validation workshop in Pretoria on 21/07/2017, which occurred after the DOE Validation of the updated SB, dated 27/04/2017.

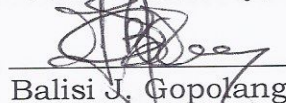
The results of the workshop led to further amendment of the SB as follows:

- new data was provided for the newly commissioned power plant Medupi which allowed to estimate plant's efficiency following the A2 calculation approach.
- the coal consumed in RSA was re-classified from other bituminous to sub-bituminous coal. The classification was erroneously deemed to be irrelevant, as the actual NCV was used. However, it is noted, that the re-classification leads to the application of the correct emission factor.

Following change in the emission factor has been noted:

Parameter	DOE validation	Changes after DOE validation
Operating margin (in t CO ₂ /MWh)	0.9899	1.0259
Build margin (in t CO ₂ /MWh)	0.8354	0.8723

Yours Sincerely,



Balisi J. Gopolang
Acting Director of Department of Meteorological Services

OUR VISION: *A model of efficient, professional, scientific and technical leadership in the provision of quality weather and climate data and information.*

