

# Standardized baseline Grid emission factor for the Belize national power grid

Mauricio Zaballa Romero

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Bogotá, Colombia

# 1. Introduction

- This standardized baseline provides the values of the CO<sub>2</sub> emission factors for the electricity system of Belize.

## 2. Definitions

- For the purpose of this standardized baseline, the following definitions apply:
- (a) A project electricity system - the spatial extent of the power plants that are physically connected through transmission and distribution lines to supply electricity to the Belize national power grid;
- (b) Connected electricity systems - electricity systems of Mexico.

### 3. Scope, applicability, entry into force and validity

- This standardized baseline is based on the proposed new standardized baseline PSB0006 “Grid Emission Factor for Belize” submitted by the DNA of Belize.
- This standardized baseline provides the values of the baseline CO<sub>2</sub> emission factors for the project electricity system for the determination of baseline emissions, project emissions and leakage emissions. The CO<sub>2</sub> emission factors are:
  - (a) Combined margin emission factor;
  - (b) Operating margin emission factor;
  - (c) Build margin emission factor.

## 3.2. Applicability

- The CDM project activities can apply this standardized baseline under the following conditions:
  - The project activity is connected to the project electricity system;
  - The CDM approved methodology that is applied to the project activities, requires to determine CO<sub>2</sub> emission factor(s) for the project electricity system through the application of the tool, for the determination of baseline emissions, project emissions and leakage emissions; and
  - When applying the values of this standardized baseline to CDM projects the latest approved values with respect to Table 1 below shall be used for calculation of emission reduction for the entire first, or entire second or entire third crediting period;

# 4. Parameters and values

- 14. This standardized baseline provides values for the following parameters:

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**Table 1. Grid Emission Factors for the CDM project activities**

Parameter	SI Unit	Description	Value
$EF_{grid,CDM,x}$	tCO <sub>2</sub> /MWh	Combined margin CO <sub>2</sub> emission factor for the project electricity system applicable to the wind and solar power generation	0.2282
$EF_{grid,CDM,y}$	tCO <sub>2</sub> /MWh	Combined margin CO <sub>2</sub> emission factor for the project electricity system applicable to all project activities other than wind and solar for the first crediting period	0.1521

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Gracias por su atención

[mazr@dtu.dk](mailto:mazr@dtu.dk)

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