

ASB0005-2021

Standardized baseline

Grid emission factor for the Belize national power grid

Version 01.0



United Nations
Framework Convention on
Climate Change

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1. Introduction

1. This standardized baseline provides the values of the carbon dioxide (CO₂) emission factors for the BEL National Electricity Grid System (hereinafter referred to as “BEL”) of Belize.

2. Scope, applicability, entry into force and validity

2.1. Scope and applicability

2. The scope of this standardized baseline covers the grid emission factors for the BEL of Belize. It was derived using the ex-ante data vintage option of the “TOOL07: Tool to determine the emission factor of an electricity system” (hereinafter referred to as “the tool”) (hereinafter referred to as “the grid tool”), version 07.0, based on 2016–2018 data vintage.
3. Clean Development Mechanism (CDM) project activities or programmes of activities (hereinafter referred to as “project activity”) may apply this standardized baseline under the following conditions:
 - (a) The project activity is implemented in Belize and it is connected to the BEL;
 - (b) The CDM approved methodology that is applied to the project activity requires the determination of CO₂ emission factor(s) through the application of the grid tool; and
 - (c) The project activity uses the ex-ante options for both the operating margin and build margin grid emissions factors, as described in the grid tool, and therefore no monitoring or recalculation of the emission factor during the crediting period is required.
4. Project participants who do not wish to use this standardized baseline may alternatively estimate their own values for the grid emission factor, by applying the latest applicable version of the grid tool.

2.2. Entry into force

5. This standardized baseline shall enter into force immediately upon its adoption by the CDM Executive Board on 24 August 2021.

2.3. Validity of this standardized baseline

6. The values are valid from 24 August 2021 until 23 August 2024.

3. Normative references

7. This updated standardized baseline is based on the approved standardized baseline ASB0005 “Grid emission factor for the Belize national power grid (version 01.0)” submitted by the designated national authority (DNA) of Belize.
8. This standardized baseline is derived from version 07.0 of the grid tool.

9. For more information regarding proposed new standardized baselines as well as their consideration by the CDM Executive Board, please refer to http://cdm.unfccc.int/methodologies/standard_base/index.html.

4. Definitions

10. The definitions contained in the Glossary of CDM terms shall apply.
11. The definitions contained in version 07.0 of the grid tool shall apply.

5. Parameters and values

12. This standardized baseline provides values for the following parameters in table 1:

Table 1. Grid emission factors for the BEL

Parameter	SI Unit	Description	Value
$EF_{grid,OM,y}$	tCO ₂ /MWh	Operating margin CO ₂ emission factor for the BEL	0.49
$EF_{grid,BM,y}$	tCO ₂ /MWh	Build margin CO ₂ emission factor for the BEL	0.21
$EF_{grid,CM,y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the BEL applicable to the project activities of wind and solar power generation	0.42
$EF_{grid,CM,y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the BEL applicable to all project activities other than wind and solar power generation project activities for the first crediting period	0.35
$EF_{grid,CM,y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the BEL applicable to all project activities other than wind and solar power generation project activities for the second and third crediting period	0.28

Document information

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01.0	24 August 2021	Initial publication. This standardized baseline is approved by CDM Executive Board in accordance with the "Procedure for development, revision, clarification and update of standardized baselines" (CDM-EB63-A28-PROC).

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