

ASB0047-2020

Standardized baseline

Grid Emission Factor for the Dominican Republic

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 CO₂ emission factors for the National Interconnected Electrical System (hereinafter referred to as “SENI”¹) of the Dominican Republic.

2. Scope, applicability, and entry into force

2.1. Scope and applicability

2. The scope of this standardized baseline covers the grid emission factor for the SENI. It was derived using the ex-ante data vintage option of the “TOOL07: Tool to calculate the emission factor for an electricity system”, version 7.0 (hereinafter referred to as “the grid tool”) based on 2014 – 2016 data vintage.
3. Clean development mechanism (CDM) project activities and programmes of activities (hereinafter referred as project activities) can apply this standardized baseline under the following conditions:
 - (a) The project activity is implemented the Dominican Republic and is connected to the SENI;
 - (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;
 - (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. The latest approved and valid values of this standardized baseline are the only values of the CO₂ emission factor(s) that shall be applied for the SENI.

2.2. Entry into force and validity

5. This standardized baseline enters into force upon adoption by the CDM Executive Board on 3 February 2020. This standardized baseline is valid from 3 February 2020 to 2 February 2023.

3. Normative references

6. This standardized baseline is based on the proposed new standardized baseline PSB0048 “Grid Emission Factor for the Dominican Republic” submitted by the designated national authority (DNA) of the Dominican Republic.
7. This standardized baseline is derived from version 07.0 of the grid tool.

¹ From the Spanish “Sistema Electrico Nacional Interconectado”.

8. 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

9. **Project electricity system** - the spatial extent of the power plants that are physically connected through transmission and distribution lines to supply electricity to the SENI.
10. The definitions contained in the Glossary of CDM terms shall apply.
11. The definitions contained in the grid tool shall apply.

5. Parameters and values

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

Table 1. Grid emission factors for the SENI

Parameter	Unit	Description	Applicable project types	Applicable values		
				First crediting period	Second crediting period	Third crediting period
$EF_{grid, OM, y}$	tCO ₂ /MWh	Operating margin CO ₂ emission factor for the SENI	All project activities	0.6300		
$EF_{grid, BM, y}$	tCO ₂ /MWh	Build margin CO ₂ emission factor for the SENI	All project activities	0.5962		
$EF_{grid, CM, y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the SENI	All project activities except wind and solar power generation	0.6131	0.6047	
$EF_{grid, CM, y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the SENI	Wind and solar power generation project activities	0.6216		

Document information

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01.0	3 February 2020	Initial publication.

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		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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