

ASB0042-2019

Standardized baseline

Honduran Grid Emission Factor

Version 01.0



United Nations
Framework Convention on
Climate Change

| TABLE OF CONTENTS | | Page |
|---|--|-------------|
| 1. INTRODUCTION | | 3 |
| 2. SCOPE, APPLICABILITY, AND ENTRY INTO FORCE..... | | 3 |
| 2.1. Scope and applicability | | 3 |
| 2.2. Entry into force and validity | | 3 |
| 3. NORMATIVE REFERENCES | | 3 |
| 4. DEFINITIONS..... | | 4 |
| 5. PARAMETERS AND VALUES..... | | 4 |

1. Introduction

1. This standardized baseline provides the values of the CO₂ emission factors for the National Interconnected System of Honduras (hereinafter referred to as “SIN”).

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 SIN of Honduras. It was derived using the ex-ante data vintage option of the “TOOL07: Tool to calculate the emission factor for an electricity system”, version 6.0 (hereinafter referred to as “the grid tool”) based on 2012 – 2014 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 in Honduras and is connected to the SIN;
 - (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. 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 and validity

5. This standardized baseline enters into force upon adoption by the CDM Executive Board on 22 May 2019. This standardized baseline is valid from 22 May 2019 to 21 May 2022.

3. Normative references

6. This standardized baseline is based on the proposed new standardized baseline PSB0043 “Honduran Grid Emission Factor” submitted by the designated national authority (DNA) of Honduras.
7. This standardized baseline is derived from the grid tool.
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 SIN of Honduras.
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 SIN

| 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 SIN | All project activities | 0.6125 | | |
| $EF_{grid, BM, y}$ | tCO ₂ /MWh | Build margin CO ₂ emission factor for the SIN | All project activities | 0.6081 | | |
| $EF_{grid, CM, y}$ | tCO ₂ /MWh | Combined margin CO ₂ emission factor for the SIN | All project activities except wind and solar power generation | 0.6103 | 0.6092 | |
| $EF_{grid, CM, y}$ | tCO ₂ /MWh | Combined margin CO ₂ emission factor for the SIN | Wind and solar power generation project activities | 0.6114 | | |

Document information

| <i>Version</i> | <i>Date</i> | <i>Description</i> |
|----------------|-------------|---|
| 01.0 | 22 May 2019 | 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). |

Decision Class: Regulatory

Document Type: Standard

Business Function: Methodology

Keywords: Honduras, electric power transmission, grid emission factors, standardized baselines
