

**ASB0015**

## Standardized baseline

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# Grid emission factor for the Dominican Republic

Version 01.0



**United Nations**  
Framework Convention on  
Climate Change

## **1. Introduction**

1. This standardized baseline provides the values for grid emission factors (i.e. the carbon dioxide (CO<sub>2</sub>) emission factors) for the Dominican Republic.

## **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 National Interconnected Electrical System of the Dominican Republic derived using the ex ante data vintage option of the “Tool to calculate the emission factor for an electricity system” (version 04.0) based on 2011–2013 data vintage.
3. Clean development mechanism (CDM) project activities can apply this standardized baseline under the following conditions:
  - (a) The project activity is implemented in the Dominican Republic and is connected to the project electricity system;
  - (b) The CDM approved methodology that is applied to the project activity requires the determination of CO<sub>2</sub> emission factor(s) through the application of the “Tool to calculate the emission factor for an electricity system” (hereinafter referred to as “the tool”).
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 tool.

### **2.2. Entry into force and validity**

5. This standardized baseline enters into force upon adoption by the CDM Executive Board on 24 July 2015. This standardized baseline is valid from 24 July 2015 to 23 July 2018.

## **3. Normative references**

6. This standardized baseline is based on the proposed new standardized baseline PSB0010 “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 4.0 of the 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](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 National Interconnected Electrical System of the Dominican Republic.

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

## 5. Parameters and values

12. This standardized baseline provides ex ante values for the parameters mentioned in table 1.

**Table 1. Grid emission factors for use by a CDM project activity that uses the ex ante data vintage option of the “Tool to calculate the emission factor for an electricity system”**

Parameter	Unit	Description	Applicable project types	Applicable values		
				First crediting period	Second crediting period	Third crediting period
$EF_{grid,OM,y}$	tCO <sub>2</sub> /MWh	Operating margin CO <sub>2</sub> emission factor for the project electricity system	All project activities	0.5981	0.5981	0.5981
$EF_{grid,BM,y}$	tCO <sub>2</sub> /MWh	Build margin CO <sub>2</sub> emission factor for the project electricity system	All project activities	0.3793	0.3793	0.3793
$EF_{grid,CM,y}$	tCO <sub>2</sub> /MWh	Combined margin CO <sub>2</sub> emission factor for the project electricity system	Wind and solar power generation project activities	0.5434	0.5434	0.5434
$EF_{grid,CM,y}$	tCO <sub>2</sub> /MWh	Combined margin CO <sub>2</sub> emission factor for the project electricity system	All project activities except wind and solar power generation project activities	0.4887	0.4340	0.4340

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### Document information

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