

ASB0046-2019

Standardized baseline

Mauritius Grid Emission Factor

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 electricity system of Island of Mauritius (hereinafter referred to as “national grid of Island of Mauritius”).

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 national grid of Island of Mauritius. 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 2015 – 2017 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 Island of Mauritius and is connected to the national grid of Island of Mauritius;
 - (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 national grid of Island of Mauritius.

2.2. Entry into force and validity

5. This standardized baseline enters into force upon adoption by the CDM Executive Board on 9 December 2019. This standardized baseline is valid from 9 December 2019 to 8 December 2022.

3. Normative references

6. This standardized baseline is based on the proposed new standardized baseline PSB0047 “Grid emission factor of Mauritius” submitted by the designated national authority (DNA) of Mauritius.
7. This standardized baseline is derived from version 06.0 of 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 national grid of Island of Mauritius.
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 national grid of Mauritius

| 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 national grid of Island of Mauritius | All project activities | 1.0273 | | |
| EF _{grid, BM, y} | tCO ₂ /MWh | Build margin CO ₂ emission factor for the national grid of Island of Mauritius | All project activities | 0.8814 | | |
| EF _{grid, CM, y} | tCO ₂ /MWh | Combined margin CO ₂ emission factor for the national grid of Island of Mauritius | All project activities except wind and solar power generation | 0.9543 | 0.9178 | |
| EF _{grid, CM, y} | tCO ₂ /MWh | Combined margin CO ₂ emission factor for the national grid of Island of Mauritius | Wind and solar power generation project activities | 0.9908 | | |

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Document information

| Version | Date | Description |
|---------|-----------------|----------------------|
| 01.0 | 9 December 2019 | Initial publication. |

| <i>Version</i> | <i>Date</i> | <i>Description</i> |
|--|-------------|---|
| | | 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: Mauritius, electric power transmission, grid emission factors, standardized baselines | | |