

ASB0034-2021

Standardized baseline

Grid emission factor for the West African Power Pool

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 electricity system of the West African Power Pool (WAPP).

2. Scope, applicability, and entry into force

2.1. Scope and applicability

2. The scope of this standardized baseline covers the grid emission factors for the electricity system of the WAPP. It was derived using the ex-ante data vintage option of the version 07.0 of the "TOOL07: Tool to calculate the emission factor for an electricity system" (hereinafter referred to as the "grid tool") based on 2017–2019 data vintage.
3. A Clean Development Mechanism (CDM) project activity and programmes of activity (hereinafter referred to as project activity) may apply this standardized baseline under the following conditions:
 - (a) The project activity is implemented in any one of the WAPP member countries i.e. Benin, Burkina Faso, Côte d'Ivoire, Ghana, Mali, Niger, Nigeria, Senegal and Togo and is connected to the WAPP;
 - (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 project electricity system in the WAPP member countries listed under para 3(a) above.

2.2. Entry into force

5. Immediately upon adoption of the standardized baseline by the CDM Executive Board on 24 March 2021.

2.3. Validity of this standardized baseline

6. The values are valid from 24 March 2021 until 25 February 2024. The same values are also applicable for the period that extends from date of expiry of ASB0034 "Grid emission factor for the electricity system West African Power Pool" i.e. 26 February 2021 to 23 March 2021.

3. Normative references

7. This updated standardized baseline is based on the approved standardized baseline ASB0034 "Grid Emission Factor for the West African Power Pool" submitted by the designated national authority (DNA) of Togo.

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 parameters mentioned in table 1.

Table 1. Grid emission factors for the electricity system of the WAPP

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 WAPP power system	All project activities	0.578		
EF _{grid, BM, y}	tCO ₂ /MWh	Build margin CO ₂ emission factor for the WAPP power system	All project activities	0.556		
EF _{grid, CM, y}	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the WAPP power system	All project activities except wind and solar power generation	0.567	0.562	
EF _{grid, CM, y}	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the WAPP power system	Wind and solar power generation project activities	0.573		

Document information

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01.0	24 March 2021	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).
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