

ASB0038-2021

Standardized baseline

Grid emission factor for the electricity system of the Republic of Armenia

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 Republic of Armenia.

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 Republic of Armenia. 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 the Republic of Armenia and is connected to the electricity system of the Republic of Armenia;
 - (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

5. Immediately upon adoption of the standardized baseline by the CDM Executive Board on 1 March 2021.

2.3. Validity of this standardized baseline

6. The values are valid from 1 March 2021 until 18 February 2024. The same values are also applicable for the period that extends from date of expiry of ASB0038-2018 “Grid emission factor for the electricity system of the Republic of Armenia for 2016” i.e. 18 February 2021 to 1 March 2021.

3. Normative references

7. This updated standardized baseline is based on the approved standardized baseline ASB0038-2018 “Calculation of Grid Emission Factor for the Electricity System of the Republic of Armenia for 2016” submitted by the designated national authority (DNA) of the Republic of Armenia.

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 Armenian power system

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 Armenian power system	All project activities	0.44		
EF _{grid, BM, y}	tCO ₂ /MWh	Build margin CO ₂ emission factor for the Armenian power system	All project activities	0.34		
EF _{grid, CM, y}	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the Armenian power system	All project activities except wind and solar power generation	0.39	0.37	
EF _{grid, CM, y}	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the Armenian power system	Wind and solar power generation project activities	0.42		

Document information

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01.0	1 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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