

ASB0003

Standardized baseline

Grid emission factor for the Republic of Uzbekistan

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 electricity system of the Republic of Uzbekistan.

2. Definitions

2. The definitions contained in the latest version of the “Tool to calculate the emission factor for an electricity system” shall apply.
3. For the purpose of this standardized baseline, the following definitions apply:
 - (a) Project electricity system - the spatial extent of the power plants that are physically connected through transmission and distribution lines to supply electricity to the Uzbekistan national power grid;
 - (b) Connected electricity systems – electricity systems of Afghanistan, Kazakhstan, Kyrgyzstan, Tajikistan and Turkmenistan.

3. Scope, applicability, entry into force and validity

3.1. Scope

4. This standardized baseline is based on the proposed new standardized baseline PSB0005 “Grid Emission Factor for the Uzbekistan National Grid” submitted by the DNA of the Republic of Uzbekistan.
5. This standardized baseline is derived from the version 03.0.0 of the “Tool to calculate the emission factor for an electricity system” (hereinafter referred to as the “tool”).
6. For more information regarding the proposed new standardized baseline as well as their consideration by the CDM Executive Board please refer to http://cdm.unfccc.int/methodologies/standard_base/index.html.
7. This standardized baseline provides the values of the CO₂ emission factors for the project electricity system for the determination of baseline emissions, project emissions and leakage. The CO₂ emission factors are:
 - (a) Combined margin emission factor;
 - (b) Operating margin emission factor;
 - (c) Build margin emission factor.

3.2. Applicability

8. This standardized baseline is applicable to the CDM projects in the Republic of Uzbekistan.
9. The CDM project activities can apply this standardized baseline under the following conditions:
 - (a) The CDM project activity is connected to the project electricity system;
 - (b) The CDM approved methodology that is applied to the project activities, requires to determine CO₂ emission factor(s) for the project electricity system through the application of the “Tool to calculate the emission factor for an electricity system”
 - (c) When applying the values of this standardized baseline to CDM project activity, the requirements below are to be followed:
 - (i) In the case that the CDM project activity uses the ex ante option of data vintage, as per the tool, the latest approved values of Table 1 below shall be used for calculation of emission reduction for the entire first, or entire second or entire third crediting period;
 - (ii) In the case that the CDM project activity uses the ex post option of data vintage as per the tool, the latest approved values of Table 2 below valid at the end of the monitoring period shall be used for calculation of emission reduction for that monitoring period. As per the tool, ex post values are required to be updated annually, however for ex post values approved under this Standardized baselines, the validity as prescribed in paragraph 12 below applies.
10. 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.

3.3. Entry into force

11. Immediately upon adoption of the standardized baseline by the CDM Executive Board on 07 October 2013.

3.4. Validity of this standardized baseline

12. The values are valid for three years from the date of adoption of standardized baseline by the CDM Executive Board.
13. The latest approved version of the tool shall be used to update the standardized baseline.

4. Parameters and values

14. This standardized baseline provides values for the following parameters:

Table 1. Grid Emission Factors for the CDM project activity that use ex ante option of the “Tool to calculate the emission factor for an electricity system”

Parameter	SI Unit	Description	Value
$EF_{grid,CM,y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the project electricity system applicable to the wind and solar power generation	0.550
$EF_{grid,CM,y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the project electricity system applicable to all project activities other than wind and solar for the first crediting period	0.532
$EF_{grid,CM,y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the project electricity system applicable to all project activities other than wind and solar for the second and third crediting period	0.514
$EF_{grid,BM,y}$	tCO ₂ /MWh	Build margin CO ₂ emission factor for the project electricity system	0.496
$EF_{grid,OM,y}$	tCO ₂ /MWh	Operating margin CO ₂ emission factor for the project electricity system	0.569

Table 2. Grid Emission Factors for the CDM project activity that use ex post option of the “Tool to calculate the emission factor for an electricity system”

Parameter	SI Unit	Description	Value
$EF_{grid,CM,y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the project electricity system applicable to the wind and solar power generation	0.526
$EF_{grid,CM,y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the project electricity system applicable to all project activities other than wind and solar for the first crediting period	0.516
$EF_{grid,CM,y}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the project electricity system applicable to all project activities other than wind and solar for the second and third crediting period	0.506
$EF_{grid,BM,y}$	tCO ₂ /MWh	Build margin CO ₂ emission factor for the project electricity system	0.496
$EF_{grid,OM,y}$	tCO ₂ /MWh	Operating margin CO ₂ emission factor for the project electricity system	0.536

Document information

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