

ASB0053-2021

Standardized baseline

Grid Emission Factor for Saint Kitts and Nevis

Version 01.0



United Nations
Framework Convention on
Climate Change

TABLE OF CONTENTS		Page
1. INTRODUCTION		3
2. SCOPE, APPLICABILITY, AND ENTRY INTO FORCE		3
2.1. Scope and applicability		3
2.2. Entry into force and validity		3
3. NORMATIVE REFERENCES		3
4. DEFINITIONS		4
5. PARAMETERS AND VALUES		4

1. Introduction

1. This standardized baseline provides the values of the CO₂ emission factors for the electricity grid of Saint Kitts and for the electricity grid of Nevis.

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 electricity grid of Saint Kitts and for the electricity grid of Nevis.
3. As Saint Kitts and Nevis is a Small Island Developing State (SIDS), this standardized baseline was determined by applying the Simplified Combined Margin option indicated in paragraph 90 of the “TOOL07: Tool to calculate the emission factor for an electricity system”, version 7.0 (hereinafter referred to as “the grid tool”). Also, ex-ante data vintage option of the grid tool was selected and data vintage from 2018 – 2020 was used.
4. 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 Saint Kitts and Nevis and is connected either to the electricity grid of Saint Kitts or to the electricity grid of Nevis;
 - (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; and
 - (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.
5. 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

6. This standardized baseline enters into force upon adoption by the CDM Executive Board on 1 December 2021.

2.3. Validity of the standardized baseline

7. This standardized baseline is valid from 1 December 2021 until 30 November 2024.

3. Normative references

8. This standardized baseline is based on the proposed new standardized baseline PSB0057 “Saint Kitts and Nevis Emission Factor” submitted by the designated national authority (DNA) of Saint Kitts and Nevis.

9. This standardized baseline is derived from version 7.0 of the grid tool.
10. 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

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

5. Parameters and values

13. This standardized baseline provides values for the parameters identified in table 1 and in table 2.

Table 1. Grid emission factors for the electricity grid of Saint Kitts

Parameter	Unit	Description	Applicable project types	Applicable values		
				First crediting period	Second crediting period	Third crediting period
$EF_{\text{grid, OM, y}}$	tCO ₂ /MWh	Operating margin CO ₂ emission factor for the electricity grid of Saint Kitts	All project activities	0.67		
$EF_{\text{grid, CM, y}}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the electricity grid of Saint Kitts	All project activities	0.67		

Table 2. Grid emission factors for the electricity grid of Nevis

Parameter	Unit	Description	Applicable project types	Applicable values		
				First crediting period	Second crediting period	Third crediting period
$EF_{\text{grid, OM, y}}$	tCO ₂ /MWh	Operating margin CO ₂ emission factor for the electricity grid of Nevis	All project activities	0.73		
$EF_{\text{grid, CM, y}}$	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the electricity grid of Nevis	All project activities	0.73		

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
01.0	1 December 2021	Initial publication. 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: Saint Kitts and Nevis, electric power transmission, grid emission factors, standardized baselines
