



Proposed standardized baseline recommendation form (Version 02.1)

**INFORMATION TO BE COMPLETED BY THE TWO SELECTED MEMBERS OF THE PANEL/WORKING GROUP
OR THE WHOLE PANEL/WORKING GROUP**

Title of the proposed standardized baseline:	Grid Emission Factor for Antigua and Barbuda
Reference number of the proposed standardized baseline:	PSB0031: Grid emission factor (GEF) for Antigua and Barbuda
Name(s) of the Party or Parties to which the proposed standardized baseline applies:	Antigua and Barbuda
DNA submitting the proposed standardized baseline:	Department of Environment, Ministry of Health, Wellness and the Environment
Name(s) of the proponent(s) of the proposed standardized baseline: <i>(Parties, project participants, international industry organizations or admitted observer organizations)</i>	Department of Environment, Ministry of Health, Wellness and the Environment
History of the submission:	<ol style="list-style-type: none"> 1) 20/11/2015: first submission was received <ul style="list-style-type: none"> • 10/12/2015: initial assessment was finalized • 18/05/2016: findings submitted to the DNA 2) 07/01/2021: second submission was received <ul style="list-style-type: none"> • 28/01/2021: assessment of the second submission was finalized; • 19/02/2021: stakeholder consultation report was submitted; • 24/02/2021: The draft standardized baseline (DSB) was sent to the DNA, which agreed to recommend the DSB to the Board for approval
Date (DD/MM/YYYY) when the recommendation is completed:	24/02/2021
Approach(es) for the development of the proposed standardized baseline:	
<input type="checkbox"/> The approach contained in the “Guidelines for the establishment of sector specific standardized baselines” <input type="checkbox"/> A methodological approach contained in an approved, proposed new or revised baseline and monitoring methodology (please specify below the exact reference (number, title and version) of the relevant methodology _____) <input checked="" type="checkbox"/> A methodological approach contained in an approved, proposed new or revised methodological tool “TOOL07: Tool to calculate the emission factor for an electricity system” version 7.0 <input type="checkbox"/> The approach contained in the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM”	
Important conditions under which the proposed standardized baseline is applicable:	

The scope of this standardized baseline covers the grid emission factor for Antigua and Barbuda. It was derived using the ex-ante data vintage option of the “TOOL07: Tool to calculate the emission factor for an electricity system”, version 7.0 (hereinafter referred to as “the grid tool”) based on 2017 – 2019 data vintage (the data vintage applied complies with provisions from the standard “Determining coverage of data and validity of standardized baselines”, version 2.0).

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 Antigua and Barbuda and is connected either to the electric grid of Antigua or to the electric grid of Barbuda;
- (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 the operating margin, as described in the grid tool, and therefore no monitoring or recalculation of the emission factor during the crediting period is required.

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.

Summary description of the proposed standardized baseline:

This standardized baseline provides values for the parameters mentioned in table 1 (for projects implemented in the mainland Antigua) and in table 2 (for projects implemented in mainland Barbuda).

Table 1. Grid emission factor for the electric grid of Antigua

Table 1: GHG emission factor for the electric grid of Antigua						
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 electric grid of Antigua	All project activities	0.62		
EF _{grid, BM, y}	tCO ₂ /MWh	Build margin CO ₂ emission factor for the electric grid of Antigua	All project activities	0 (simplified combined margin was applied, where the weight of the BM is equal to zero)		
EF _{grid, CM, y}	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the electric grid of Antigua	All project activities except wind and solar power generation	0.62	0.62	
EF _{grid, CM, y}	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the electric grid of Antigua	Wind and solar power generation project activities	0.62		

Table 2. Grid emission factor for the electric grid of Barbuda

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 electric grid of Barbuda	All project activities	0.96		
EF_{grid, BM, y}	tCO ₂ /MWh	Build margin CO ₂ emission factor for the electric grid of Barbuda	All project activities	0 (simplified combined margin was applied, where the weight of the BM is equal to zero)		
EF_{grid, CM, y}	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the electric grid of Barbuda	All project activities except wind and solar power generation	0.96	0.96	
EF_{grid, CM, y}	tCO ₂ /MWh	Combined margin CO ₂ emission factor for the electric grid of Barbuda	Wind and solar power generation project activities	0.96		

Recommendation to the Board:

<input checked="" type="checkbox"/> To approve the proposed standardized baseline <input type="checkbox"/> Not to approve the proposed standardized baseline
Reasons for not approving the proposed standardized baseline (if any):
Any other issues arising from the review of the proposed standardized baseline:

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Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
02.1	1 September 2015	Revision to include an editorial improvement.
02.0	1 December 2013	<p>The document title has changed from “CDM recommendation form for proposed standardized baselines” (F-CDM-PSB-REC) to “Proposed standardized baseline recommendation submission form” (CDM-PSBR-FORM).</p> <p>Revision to:</p> <ul style="list-style-type: none"> • Reflect updated requirements in the “Procedure: Development, revision, clarification and update of standardized baselines”; • Include an editorial improvement.
01.0	23 March 2012	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Methodology Keywords: standardized baselines		