# CDM proposed standardized baseline form

**Version 01.0**

(To be used by a designated national authority (DNA) when submitting a proposed standardized baseline in accordance with the "Procedure for submission and consideration of standardized baselines".)

## SECTION 1: GENERAL INFORMATION

<table>
<thead>
<tr>
<th>DNA submitting this form:</th>
<th>Ministry of Forestry, Fisheries &amp; Sustainable Development of Belize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developer of the standardized baseline: (Parties, project participants, international industry organizations or admitted observer organizations)</td>
<td>UNEP RISØ Centre, Technical University of Denmark</td>
</tr>
<tr>
<td>Party or Parties to which the standardized baseline applies:</td>
<td>Belize</td>
</tr>
<tr>
<td>Sector to which the proposed standardized baseline applies: (the sector according to the definition of sector in the &quot;Guidelines for the establishment of sector specific standardized baselines&quot;)</td>
<td>Any sector involving the emissions from the relevant Project Electricity System either in baseline and/or project scenario, including Sectoral Scope I: &quot;Energy Industries,&quot; as defined by the UNFCCC.</td>
</tr>
</tbody>
</table>

## SECTION 2: LIST OF DOCUMENTS TO BE ATTACHED TO THIS FORM (please check)

- [ ] An assessment report presenting how the data was collected, processed and compiled to establish the proposed standardized baselines;
- [ ] Where the proposed standardized baseline applies to a group of Parties, letters of approval of all the DNAs of the Parties to which the standardized baseline applies;
- [x] Additional documentation supporting the submission (e.g. relevant data, documentation, statistics, studies, calculation tables, etc.), when applicable.

**Name of authorized officer signing for the DNA:** Wendel Patham (PhD)

**Date and signature for the DNA:**

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**Name and contact details of the focal point(s) for any follow up communication:**

Ann Gordon  
Climate Change Coordinator  
Ministry of Forestry, Fisheries & Sustainable Development  
Phone: (501) 822-0810/0401; Fax: 822-2396  
Email: coord.cc@ffsd.gov.bz

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**SECTION BELOW TO BE COMPLETED BY THE UNFCCC SECRETARIAT**

<table>
<thead>
<tr>
<th>CDM-PSB ID number:</th>
</tr>
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<tr>
<th>Date when the form was received at UNFCCC secretariat:</th>
</tr>
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<table>
<thead>
<tr>
<th>Have all Parties for which the standardized baseline is applicable fewer than 10 registered CDM project activities as of 31 December 2010? (Y/N):</th>
</tr>
</thead>
</table>
CDM-PSB ID number and version:
(to be completed by UNFCCC)
CLEAN DEVELOPMENT MECHANISM
PROPOSED STANDARDIZED BASELINE
(CDM-PSB)
(VERSION 01.0)

"Grid Emission Factor for Belize"

20 March 2013

Version 01.0

Source

The Standardized Baseline was developed using the methodological tool "Tool to calculate the emission factor for an electricity system – version 03.0.0, EB70, Annex 22".

Type of standardized baseline approach

The standardized baseline is developed for:

☐ Additionality demonstration;

☐ Baseline identification;

☒ Baseline emission estimation.

Please note that one, two or all three items can be checked.
SECTION A: STANDARDIZED BASELINE DEVELOPED USING THE “GUIDELINES FOR THE ESTABLISHMENT OF SECTOR SPECIFIC STANDARDIZED BASELINES”

This section should only be completed when the standardized baseline is developed using the “Guidelines for the establishment of sector specific standardized baselines”.

**Applicability of the standardized baseline**

Please provide the following information:

- The host country(ies) or region(s) within a host country to which the standardized baseline is applicable. In case of region(s) within a host country, please document transparently the geographical boundaries of the region (e.g. provinces, electric grids, etc).

- The sector(s) to which the standardized baselines is applied. Note that a sector refers to a segment of a national economy that delivers defined output(s) (e.g. clinker production, domestic / household energy supply). The sector is characterized by the output(s) O, it generates.

- The output(s) to which the standardized baseline is applied, i.e. the goods or services with comparable quality, properties, and application areas (e.g. clinker, lighting, residential cooking).

- The measure to which the standardized baseline is applicable:
  - [ ] Fuel and feedstock switch; or
  - [ ] Switch of technology with or without change of energy source (including energy efficiency improvement); or
  - [ ] Methane destruction; or
  - [ ] Methane formation avoidance.

**Additionality demonstration**

Please explain how the “Guidelines for the establishment of sector specific standardized baselines” were applied to demonstrate additionality and develop a positive list of project activities that are deemed additional. Follow the steps and guidance of the “Guidelines for the establishment of sector specific standardized baselines”. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.
Baseline identification

Please explain how the “Guidelines for the establishment of sector specific standardized baselines” were applied to identify the baseline for the measures. Follow the steps and guidance of the “Guidelines for the establishment of sector specific standardized baselines”. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.

Baseline emission factor estimation (if applicable)

Please explain how the “Guidelines for the establishment of sector specific standardized baselines” were applied to determine a baseline emission factor. Follow the steps and guidance of the “Guidelines for the establishment of sector specific standardized baselines”. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.

Use of the standardized baseline with an approved methodology

Please explain how the standardized baseline will be used with the relevant approved methodology(ies) or an approved tool, i.e. which (parts of) the approved methodology(ies) or the approved tool are replaced by the standardized baseline. Note that a standardized baseline derived from the “Guidelines for the establishment of sector specific standardized baselines” will usually replace the sections on demonstration of additiveness, identification of the baseline scenario and the determination of baseline emissions, while the methodology sections on applicability, project boundary, project emissions, leakage emissions and provision to monitor project and leakage emissions may not be affected by the use of the standardized baseline. If an approved methodology is not available, a new methodology should be submitted to be used with the standardized baseline, following the relevant procedures (“Procedure for the submission and consideration of a proposed new baseline and monitoring methodology for large scale CDM project activities” or “Procedures for the submission and consideration of a proposed new small scale methodology”).

Validity of the standardized baseline

Please state the period of time for which the standardized baseline is valid. Please note that Appendix I of the “Guidelines for the establishment of sector specific standardized baselines” provide interim values for data vintage and the frequency of update.
SECTION B: STANDARDIZED BASELINE DEVELOPED USING A METHODOLOGICAL APPROACH CONTAINED IN AN APPROVED METHODOLOGY OR TOOL

This section should only be completed when the standardized baseline is developed using a methodological approach to estimate baseline emissions contained in an approved methodology or tool. An example for this is the application of the “Tool to calculate the emission factor for an electricity system” to estimate the emission factor for a electric grid.

Applicability of the standardized baseline

Please state the host country(ies) or region(s) within a host country to which the standardized baseline is applicable. In case of region(s) within a host country, please document transparently the geographical boundaries of the region (e.g. provinces, electric grids, etc).

Belize

Baseline emission estimation

Please explain how the methodological approach contained in the approved methodology or tool was applied to estimate the baseline emissions of a project activity in (a) country(ies) or region. Follow the steps and guidance of the approved methodologies or tools. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner. Note that the underlying methodology or tool has to provide a methodological approach to derive the baseline emissions for a country or region in order to apply this step. This applies, for example, to the methodological tool “Tool to determine the emission factor of an electricity system”.

Version 03.0.0 of the ‘Tool to calculate the emission factor of an electricity system’ was followed. The report presenting all the calculation steps, the data used for calculations, the assumptions, and the outcomes is attached.

The Ministry of Natural Resources and the Environment of Belize provided the data for grid generation and fuel consumption for plants located within the Belizean territory. The source for Mexico’s information is a series of reports published by the Secretariat of Energy of Mexico (SENER), and publicly available. Further details are provided in the attached report.

Use of the standardized baseline with an approved methodology

Please explain how the standardized baseline will be used with the relevant approved methodology(ies) or approved tool, i.e. which (parts of) the approved methodology(ies) or the approved tool are replaced by the standardized baseline.

The standardized baseline may be used for any methodology and/or tool which refers to the ‘Tool to calculate the emission factor for an electricity system’. 
Validity of the standardized baseline

Please state the vintage of the parameters used to derive the standardized baseline, in accordance with the requirements contained in the approved methodology or tool.

The data vintage for calculating the Grid Emission Factor (GEF) is 2009-2011. Additionally, in accordance with the requirements of the tool, vintages of 2007 and 2008 were used for determination of Low-Cost/Must-Run units.

It is proposed that the standardized baseline shall be valid for a maximum period of 3 years from the date of adoption.
REFERENCES AND ANY OTHER INFORMATION

References to the data sources used is available on the attached report.

Attached documentation:

1. Grid Emission Factor of Belize 2009-2011 report by the UNEP Risoe Centre
## History of the document

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Nature of revision(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.0</td>
<td>23 March 2012</td>
<td>Initial publication.</td>
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</tbody>
</table>

**Decision Class: Regulatory**  
**Document Type: Form**  
**Business Function: Methodology**