

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:	Standardized Baseline for Improved Institutional Cookstoves in Ethiopia		
Reference number of the proposed standardized baseline:	PSB0046		
Name(s) of the Party or Parties to which the proposed standardized baseline applies:			
DNA submitting the proposed standardized	The Designated National Authority of Ethiopia		
baseline:	Environment, Forest and Climate Change Commission (EFCCC)		
Name(s) of the proponent(s) of the proposed standardized baseline: (Parties, project participants, international industry organizations or admitted observer organizations)	The Designated National Authority of Ethiopia		
History of the submission:	1) 21/06/2018: The first submission was received		
	 26/12/2018: The second submission was received 		
	3) 02/04/2019: The third submission was received		
	4) 06/08/2019: The fourth submission was received		
Date (DD/MM/YYYY) when the recommendation is 20/08/2019 completed:			
Approach(es) for the development of the proposed	standardized baseline:		
The approach contained in the "Guidelines for the baselines"	e establishment of sector specific standardized		
A methodological approach contained in an approved, proposed new or revised baseline and monitoring methodology			
- AMS-II.G. "Energy efficiency measures in thermal applications of non-renewable biomass";			
- AMS-I.E. "Switch from non-renewable biomass for thermal applications by the user"			
A methodological approach contained in an approved, proposed new or revised methodological tool			
- TOOL30: Calculation of the fraction of non-renewable biomass			
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 the standardized baseline covers the values of baseline woody biomass consumption per capita, the efficiency of pre-project institutional cookstoves, and the fraction of woody biomass that can be established as non-renewable biomass (fNRB) in Ethiopia. The standardized baseline is 			

only applicable to cookstoves of the following type of institutions:

- (a) Category 1: Prisons, hospitals/clinics, refugee camps, military barracks;
- (b) Category 2: Restaurants and other food services in rural areas;
- (c) Category 3: Boarding schools, universities;
- (d) Category 4: Day schools; and
- (e) Category 5: Injera bakers using *Mirt* stoves.

2. CDM project activities may apply this standardized baseline under the following conditions:

- (a) The project activity is implemented in Ethiopia;
- (b) The approved CDM methodology applied to the project activity is small-scale methodology AMS-II.G. "Energy efficiency measures in thermal applications of non-renewable biomass" and/or small-scale methodology AMS-I.E. "Switch from non-renewable biomass for thermal applications by the user";
- (c) The standardized values are not applicable to institutions using LPG and/or kerosene in the baseline as a cooking fuel;
- (d) The standardized values are not applicable to standalone renewable energy-based water treatment technologies under AMS-I.E.; and
- (e) To use the default value under Category 5, the average weight of an injera is monitored once at the beginning of the crediting period and once every year, where required on a sample basis. It is demonstrated that weight of each injera is equal to or more than 0.368 kg (i.e. the number of injera per kg of injera baked should be equal to or less than 2.72). In addition, annual average number of injera baked per injera baker should also be monitored.

Summary description of the proposed standardized baseline:

- CDM project activities shall use this standardized baseline together with AMS-II.G. "Energy efficiency measures in thermal applications of non-renewable biomass", version 9.0 or later and/or AMS-I.E. "Switch from non-renewable biomass for thermal applications by the user" version 8.0 or later. The following conditions shall apply:
- (a) Additionality demonstration: The project activities that introduce improved institutional cookstoves in Ethiopia under AMS-II.G. or AMS-I.E. are deemed automatically additional, as per the "Methodological tool for demonstration of additionality of microscale project activities";
- (b) Baseline emission estimation: For the estimation of baseline emissions of project activities, the provisions in the methodology AMS-II.G. version 9.0 or AMS-I.E. version 8.0 for determining the values of the parameters listed in Table 1 below do not apply. Instead, standardized values provided in the Table 1 below shall be used.

CDM-PSBR-FORM

Table 1. Standardized values for AMS-II.G. and AMS-I.E.					
Parameter	Unit	Description	Applicable values Sou		Source
Bold,ptonnes/ person/ yearAnnual quantity of woody biomass that would have been used per person in the household in the absence of the project activity to generate useful	Institution type	Value (tonnes/pers on/year)	Based on the data provided in PSB0046		
	household in the absence of the project activity to generate useful	Category 1: Prisons, hospitals/clinics, refugee camps, military barracks	0.91		
ВСрј, рр, у	<i>CPI.PP.y</i> tonnes/ thermal energy equivalent to that provided by the project devices	Category 2: Restaurants and other food services in rural areas	0.3		
under AMS-I.E.	under person/ consumption of	woody biomass	Category 3: Boarding schools, universities	0.75	
		Category 4: Day schools	0.26		
<i>Bold,i,j</i> under AMS-II.G.	tonnes/ year	Annual quantity of woody biomass that would have been used in the absence of the project activity to generate useful thermal energy equivalent to that provided by the	For Category 5: Injera b default woody biomass of injera is provided in the Institution type Category 5: Injera bakers	consumption per table below: Value (kg/injera) 0.307	Based on the data provided in PSB0046
		project device type i and batch j	In order to convert the consumption per injera		

CDM-PSBR-FORM

r		T	T	CDM-I	PSBR-FORM
<i>By</i> under AMS-I.E.	tonnes/ year	Quantity of woody biomass that is substituted or displaced in tonnes	woody biomass consumption per injera baker (tonnes/year), the following equations shall be applied: $B_{old,i,j} = B_{old,injera} \times n_{injera} \times 1/1000$		
			$B_y = B_{y,injera} \times n_{injera} \times \frac{1}{1000} \times N_{injera}$		
			Where:		
			B _{old,injera}	= Total woody biomass consumption per injera (kg/injera)	
			B _{y,injera}	= Total woody biomass per injera (kg/injera)	
			n _{injera}	 Annual average number of injera baked per injera baker 	
			N _{injera}	= Number of injera bakers in the project activity (number)	
η _{old,ij} under AMS-II.G.	fraction	Efficiency of pre- project cookstove	project device for woody biomass stove the data		provided in
f _{NRB,y} under AMS-II.G. and AMS-I.E.	fraction	Fraction of woody biomass that can be established as non-renewable biomass	0.76		Based on the data provided in PSB0046; Calculated according to TOOL30
Recommendation to the Board:					
		and atom day P is 11	lin e		
To approve the proposed standardized baseline					
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:					

- - - - -

Document information

Version	Date	Description
02.1	1 September 2015	Revision to include an editorial improvement.

Version	Date	Description
02.0	1 December 2013	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).
		Revision to:
		 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		