

ASB0023

Standardized baseline

Landfill gas capture and destruction in the Republic of Sudan

Version 01.0



United Nations
Framework Convention on
Climate Change

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1. Introduction

1. This standardized baseline provides standardized additionality, baseline scenario, the waste composition for ex-ante emissions estimation and standardizes a value in the estimation of emission reductions for CDM project activities capturing and then flaring or utilising landfill gas (LFG) in the Republic of Sudan.

2. Scope, applicability, entry into force and validity

2.1. Scope and applicability,

2. The standardized baseline provides the following standardization to projects involving both the existing and new landfills:
 - (a) Standardized additionality criterion;
 - (b) Standardized baseline scenario for the recovery of LFG in landfill sites;
 - (c) Standardized value for the amount of LFG captured and flared due to the regulations and/or contractual obligations in the landfill sites;
 - (d) Standardized values for the waste composition.
3. This standardized baseline is applicable to CDM projects in the Republic of Sudan that capture and utilise/flare LFG from existing and new landfills.
4. Projects applying this standardized baseline shall use it in conjunction with the latest approved versions of methodologies AMS-III.G: "Landfill methane recovery" or ACM0001: "Flaring or use of landfill gas". Therefore, in addition to the applicability conditions of this standardized baseline, the applicability conditions of the respective methodology used (AMS-III.G or ACM0001) shall also apply.

2.2. Entry into force and validity

5. This standardized baseline will enter into force immediately upon adoption by the CDM Executive Board on 11 March 2016. This standardized baseline is valid from 11 March 2016 to 10 March 2019.

3. Normative references

6. This standardized baseline is based on the proposed new standardized baseline PSB0029 "Landfill gas capture and destruction or use" submitted by the designated national authority (DNA) of the Republic of Sudan.
7. This standardized baseline is derived from ACM 0001, version 15.0 and AMS-III.G. version 9.0.
8. 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.

4. Definitions

9. The definitions contained in the Glossary of CDM terms shall apply.
10. The definitions contained in the latest version of ACM0001 or AMS-III.G shall apply.

5. Parameters, values and additionality criterion

11. This standardized baseline establishes that:
 - (a) all CDM project activities capturing and utilising/flaring LFG in the Republic of Sudan are additional if:
 - (i) The captured LFG is used to generate electricity in one or several power plants with a total nameplate capacity that equals or is below 10 MW; or
 - (ii) The captured LFG is used to generate heat for internal and/or external consumption; or
 - (iii) The captured LFG is flared.
 - (b) the baseline scenario for the LFG is assumed to be the atmospheric release of the LFG;
 - (c) the amount of methane (tCH₄/year) in the LFG that would be captured and flared in the baseline in the project year “y” as per the enforced regulations and/or contractual arrangements applicable to existing and new landfills is standardized to be equal to zero (0). This standardized value can be applied to parameter F_{CH₄,BL,y} in equation (1) in AMS-III.G: “Landfill methane recovery” version 9.0¹ or to parameter F_{CH₄,BL,y} in equation (2) in ACM0001: “Flaring or use of landfill gas” version 15.0).
 - (d) The standardized values for the waste composition² in Table 1 below may be applied only for the ex-ante estimation of emission reductions.

¹ The standardized baseline can be used together with future versions of methodologies AMS-III.G and ACM0001 as long as the requirements related to the parameter F_{CH₄,BL,y} do not change.

² The standardized value for waste composition shall not be applied in methodologies other than AMS III G and ACM 0001.

Table 1. Standardized values for waste composition

Parameter	Unit	Description and applicable values	
Weight composition	Weight %	Source	
		Percentage	
		Wood and wood products	0.2%
		Pulp, paper and cardboard (other than sludge)	11.8%
		Food, food waste, beverages and tobacco (other than sludge)	49.5%
		Textiles	5.0%
		Garden, yard and park waste	0.0%
		Glass, plastic, metal, other inert waste	33.5%

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Document information

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