



VCS Methodology

VMR0009

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AVOIDED EMISSIONS FROM BIOMASS  
WASTES THROUGH USE AS FEEDSTOCK IN  
PULP AND PAPER, CARDBOARD,  
FIBERBOARD OR BIO-OIL PRODUCTION

Version 1.0

15 December 2023

Sectoral Scopes 4 and 13

Version 1.0 of this revision to the CDM methodology *AM0057 Avoided emissions from biomass wastes through use as feed stock in pulp and paper, cardboard, fiberboard or bio-oil production* was developed by PA Research & Consultants Pvt Ltd.



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# 1 SOURCES

This methodology revision applies to the CDM methodology *AM0057 Avoided emissions from biomass wastes through use as feed stock in pulp and paper, cardboard, fiberboard or bio-oil production*. Project proponents must use this methodology revision in conjunction with the latest version of AM0057.

# 2 SUMMARY DESCRIPTION OF THE METHODOLOGY

Additionality and Crediting Method	
Additionality	Project Method
Crediting Baseline	Project Method

The CDM methodology AM0057 is applicable for project activities using agricultural wastes as feedstock for: pulp and paper, cardboard, fiberboard, or bio-oil production, where the end product is similar in characteristics and quality to existing high-quality products in the market and does not require special use or disposal methods.

This methodology revision expands the methodology's scope to include wood waste – a by-product generated from timber industries – as feedstock for pulp and paper, cardboard or fiberboard production.

This methodology must be used with the latest version of AM0057. The procedures and requirements of AM0057 must be applied unless indicated otherwise.

# 3 DEFINITIONS

The definitions in AM0057 and the latest version of the *VCS Program Definitions* apply to this methodology unless this methodology or the *VCS Program Definitions* indicate otherwise.

The definition of “agricultural waste” in AM0057 must be replaced by “biomass waste” and applied throughout AM0057 when using this revision.

**Biomass waste**

By-products and residues or waste streams from agricultural activities, food production and processing, and waste streams from wood production and processing in the timber/wood industry and wood-related manufacturing and industrial processes (e.g., veneer and plywood timber processing industries). Municipal solid waste is excluded.

The following additional definitions must be used for this revision:

**Excluded wood waste**

Firewood and any wood waste resulting from non-industrial, non-manufacturing processes.

## 4 APPLICABILITY CONDITIONS

The methodology is applicable for project activities using biomass waste as feedstock for pulp and paper, cardboard, fiberboard, or bio-oil production, where the end product is similar in characteristics and quality to existing high-quality products in the market and does not require special use or disposal methods.

The following conditions apply to the methodology:

- 1) All applicability conditions of the latest version of AM0057 must be met.

The following conditions must be met for project activities using wood waste as feedstock for pulp and paper, cardboard or fiberboard production:

- 2) The wood used in the process that generates wood waste is procured from the allowed sustainable harvesting of forest areas in the host country (i.e., the wood is not procured from reserved forest areas in the host country); and
- 3) Harvesting and wood/timber production complies with national, regional and local regulations.

## 5 PROJECT BOUNDARY

The project boundary must be determined following the procedure provided in the latest version of AM0057.

## 6 BASELINE SCENARIO

The baseline scenario must be determined following the procedure provided in the latest version of AM0057.

## 7 ADDITIONALITY

Additionality must be demonstrated following the procedure provided in the latest version of AM0057.

## 8 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

### 8.1 Baseline Emissions

Baseline emissions must be determined following the procedure provided in the latest version of AM0057.

### 8.2 Project Emissions

Project emissions must be determined following the procedure provided in the latest version of AM0057.

### 8.3 Leakage

Leakage emissions must be determined following the procedure provided in the latest version of AM0057.

### 8.4 Net GHG Emission Reductions and Removals

Net GHG emission reductions are calculated as follows:

$$ER_y = BE_y - PE_y - LE_y \quad (11)$$

Where:

$ER_y$  = Net GHG emissions reductions and removals in year  $y$  (tCO<sub>2e</sub>)

$BE_y$	=	Baseline emissions in year $y$ (tCO <sub>2e</sub> )
$PE_y$	=	Project emissions in year $y$ (tCO <sub>2e</sub> )
$LE_y$	=	Leakage in year $y$ (tCO <sub>2e</sub> )

## 9 MONITORING

### 9.1 Data and Parameters Available at Validation

The project proponent must follow the procedure provided in the latest version of AM0057.

### 9.2 Data and Parameters Monitored

The project proponent must follow the procedure provided in the latest version of AM0057.

### 9.3 Description of the Monitoring Plan

The project proponent must follow the monitoring plan and procedure provided in the latest version of AM0057.

# DOCUMENT HISTORY

Version	Date	Comment
v1.0	15 Dec 2023	Initial version