

CDM-EB90-A14

Small-scale Methodology

AMS-III.AJ: Recovery and recycling of materials from solid wastes

Version 05.2

Sectoral scope(s): 13



United Nations
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Climate Change

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1. Introduction

- The following table describes the key elements of the methodology:

Table 1. Methodology key elements

Typical projects	HDPE, LDPE, PET and PP plastic materials and/or container glass cullet are recycled from municipal solid wastes (MSW) and processed into intermediate or finished products (e.g. plastic bags)
Type of GHG emissions mitigation action	Energy efficiency. (a) Reduction of production of HDPE, LDPE, PET, and PP and container glass from virgin materials, thus reducing related energy consumption

2. Scope, applicability, and entry into force

2.1. Scope

- This methodology comprises activities for the recovery and recycling of materials⁴ in municipal solid waste (MSW)² to process them into intermediate or finished products, that is plastic resin to displace displacing the production of virgin plastic materials in dedicated facilities, thereby resulting in avoidance of energy use savings. For paper and cardboard recycling, if the baseline scenario is the decay in a disposal site, the avoided methane emissions may be claimed.
- The methodology covers the emissions associated with:
 - Production of virgin pellets of plastics consisting of either high density polyethylene (HDPE), low density polyethylene (LDPE), Polyethylene Terephthalate (PET) or Polypropylene (PP). For the sake of this methodology, "plastic" means HDPE, LDPE, PET and PP, unless otherwise specified;
 - Other materials such as metals found in solid wastes that are manufactured in industrial processes can be recycled, however the emissions associated with the production of virgin materials of these categories are not available in the present version. Project proponents are encouraged to submit a revision of this methodology to include additional materials proposing conservative default

⁴ In this present version, the methodology covers the emissions associated with the production of virgin high density polyethylene (HDPE), low density polyethylene (LDPE), Polyethylene Terephthalate (PET) and Polypropylene (PP). For the sake of this methodology, "plastic" means HDPE, LDPE, PET and PP, unless otherwise specified in this document. Other materials such as glass and metals found in solid wastes that are manufactured in industrial processes can be recycled, however the emissions associated with the production of virgin materials of these categories are not available in the present version. Project proponents are encouraged to submit a revision of this methodology to include additional materials proposing conservative default values for specific energy consumption for the production from virgin raw materials.

² Non-hazardous waste materials suitable for deposition in a solid waste disposal site (SWDS), paper/cardboard refers to post-consumer wastes.

values for specific energy consumption for the production from virgin raw materials;

- (c) Production of container glass using virgin input ("container glass" hereafter) that is displaced by the recycled container glass ("container glass cullet" hereafter) due to the project activity.

2.2. Applicability

- 4. The methodology is applicable in the following two cases:

2.2.1. Case A: Project activities that target the participation of the informal waste sector

- 5. In Case A, the recycling facility is operated by the informal sector. The recycling facility may also receive wastes collected by the formal waste sector (e.g. public collection system). Waste fractions that were already being recycled in the baseline by enterprises in the formal sector cannot be included in the calculations.
- 6. The following applicability conditions shall apply to project activities under this case:
 - (a) The recycling facility may be an existing facility, or a newly implemented facility;
 - (b) It is possible to directly measure and record the final output of the recycling facility, that is the weight of materials leaving the recycling facility (on a dry basis), segregated by type, such as LDPE, HDPE, PET, PP, container glass cullet, paper and cardboard;
 - (c) Each type of recycled material is sold directly to processing/manufacturing facility, or to a chain of intermediary retailers that are able to transfer the materials to final identifiable processing/manufacturing facilities that process the segregated fractions;
 - (d) The Project Design Document (PDD) shall explain the procedures such as contractual agreements proposed to eliminate double counting of emission reductions, for example due to the formal waste sector or the processing/manufacturing facility, or other parties possibly claiming credits for emission reductions. Similarly, through contractual agreement and other means such as survey/analysis undertaken by a third party, credible proof shall be provided to show that the materials supplied from the recycling facility are used for processing/manufacturing and not for other purposes such as a source of fuel or disposal;
 - (e) Emission reductions can be claimed for the difference in energy use for the production of HDPE/LDPE/PET/PP product/s and container glass from virgin inputs versus production from recycled plastic material and container glass cullet. In the case of paper or cardboards, emission reductions due to the avoidance of methane formation in anaerobic decay may be claimed if the baseline scenario is the waste disposal in a disposal site without methane recovery.

2.2.2. Case B: Greenfield facility and/or capacity addition to existing facilities with formal sector participation

7. In Case B, the recycling facility is owned and operated by the formal waste sector. It may receive recyclable materials from the informal waste sector, but has no participation of the informal sector in its organization or management functions. The following applicability conditions shall apply under this case:
 - (a) If the recycling facility is an existing activity, the average data on the amount of recycled materials from the previous three years of operation (a minimum of one year data would be required if the facility is less than three years old) shall be used for the estimation of the baseline recycling activity, and project activity shall consist of the increase of the recycling capacity above this level. If the recycling facility is newly implemented as a Greenfield activity, all recycled materials are eligible for the emission reduction calculation. However, in this case the project participants shall demonstrate that the materials recycled by the project activity are not diverted from other existing recycling facilities belonging to the formal sector, or, alternatively, that it is not a common practice in the region to recover and recycle these materials from municipal solid waste streams by means of formal businesses;
 - (b) It is possible to directly measure and record the final output of the recycling facility and the input to the final processing/manufacturing facilities, that is the weight of materials leaving the recycling facility and of those entering the processing/manufacturing facilities (on a dry basis),³ segregated by type, such as LDPE, HDPE, PET, PP, container glass cullet, Paper and cardboards;
 - (c) The recycled materials shall be sold directly to a processing/manufacturing facility, or to a chain of intermediary retailers that are able to transfer the recycled materials to a final identifiable processing/manufacturing facility;
 - (d) The PDD shall explain how procedures, such as contractual agreements, shall be put in place to eliminate double counting of emission reductions, for example potentially resulting from waste pickers, the recycling facility or the processing/manufacturing facility, or other parties possibly claiming credits for emissions reduction. Similarly through contractual agreement and other means, credible proof shall be provided to show that the materials supplied from the recycling facility are used for processing/manufacturing and not for other purposes such as a source of fuel or disposal;
 - (e) For recycling of PET/PP, the project participants shall demonstrate the chemical equivalence of the recycled PET/PP to that of PET/PP made from virgin inputs by the comparison of intrinsic viscosities to ensure that the recycled PET/PP replaces virgin inputs;
 - (f) For plastics and container glass recycling, emission reductions can only be claimed for the difference in energy use for the production of HDPE/LDPE/PET/PP products and container glass from virgin inputs versus production from recycled plastic material and container glass cullet. In the case of paper or cardboards, emissions reductions due to avoidance of methane

³ If multiple processes or facilities are involved consider the final weight of the clean and dry material.

formation in anaerobic decay may be claimed, if the baseline scenario is waste disposal in a disposal site without methane recovery.

2.2.3. Applicability conditions for both cases i.e. Case A and Case B

8. In any of the above cases the project proponent shall be able to demonstrate, using three years⁴ historic data (market data, official statistics etc.) prior to the start date⁵ of the project activity, that the plastic finished products in the host country of the CDM project were manufactured using either in country plastic resin manufacturing facility or plastic resin imported from another non-Annex I country. This analysis may be limited to only those finished products where recycled materials have proven to be a technically viable option, that is those types of products that are expected to be the end products produced from materials recycled as part of the project activity. Similarly, for glass recycling it shall be demonstrated that the container glass production in the host country is supplied with raw materials originated in the country or imported from another non-Annex I country (ies).
9. The recycling facility shall source its materials from MSW; materials from an unknown source are not eligible under this methodology. As a consequence, wastes not pertaining to the identified baseline waste collection and destination stream that would not be delivered to the baseline disposal site and/or treatment plant (e.g. incineration) are not eligible.
10. Measures are limited to those that result in aggregate emission reductions of less than or equal to 60ktCO₂ equivalent annually.

2.3. Entry into force

11. The date of entry into force of the revision is 14 days after the date of publication of the EB 90 meeting report on the 22 July 2012²⁶.

2.4. Applicability of Sectoral Scopes

12. For validation and verification of CDM projects and programme of activities by a designated operational entity (DOE) using this methodology, application of sectoral scope 13 is mandatory.

3. Normative references

13. Project participants shall apply the “General guidelines for SSC CDM methodologies”, “Guidelines on the demonstration of additionality of small-scale project activities” provided at
<<http://cdm.unfccc.int/methodologies/SSCmethodologies/approved.html>>.

⁴ A minimum of one year data would be required if the facility is less than three years old.

⁵ As per the definition of start date provided in the EB 41 report, paragraph 67.

4. Definitions

14. The definitions contained in the Glossary of CDM terms shall apply:

- (a) Mechanical Recycling - physical/mechanical processes by which recyclable materials that is plastic, container glass, paper and cardboard are obtained from municipal solid waste by way of separation, cleaning and compaction/packing (for plastics and paper) or grinding (for container glass) for further processing in order to produce intermediate/finished products to substitute virgin raw materials in an industrial production chain. ~~In the case of plastics recycling, the~~ The process may be accomplished manually and/or using mechanical equipment including one or more of the following measures: washing of the separated plastic materials with hot water, drying, compacting, shredding or pelletizing;
- (b) Recycling facility - facility (ies) where the recyclables in the municipal solid waste collected are sorted, classified and prepared into marketable commodities for processing/manufacturing in single or multiple locations.⁶ In the case of plastics recycling, washing with hot water to clean the plastic to free it from extraneous materials is an essential part of this activity and associated emissions shall be monitored and accounted as project emissions. Similarly, the recycling of container glass cullet is an essential part of the project activity and associated emissions shall be accounted as project emissions;
- (c) Processing/Manufacturing facility - includes industrial processes to transform recyclable materials obtained from the recycling facility into intermediate or finished products that is plastic resin, i.e. production of recycled plastic resin or pellets and/or the glass manufacturing facility where the container glass cullet is melted;
- (d) Informal Waste Sector - individuals or a group of individuals who are involved in waste management activities, but are not formally registered or formally responsible for providing the waste management services. Newly established formalized organizations of such individuals, that is cooperatives, can also be considered as the informal sector for the purpose of this methodology;
- (e) Formal Waste Sector - solid waste management activities planned, sponsored, financed, carried out or regulated and/or recognized by the local authorities or their agents, usually through contracts, licenses or concessions;

5. Baseline methodology

5.1. Project boundary

15. The project boundary includes the physical geographical sites of:

- (a) Waste collection sites (e.g. door-to-door collection);
- (b) The recycling facility;

⁶ The recycling facility includes final segregation of the waste types and no further segregation occurs in the Processing/Manufacturing facility.

- (c) Processing/manufacturing facility;
- (d) Virgin material production;⁷
- (e) MSW disposal site or treatment plant in the baseline scenario.

5.2. Baseline emissions

16. Baseline emissions include emissions **include:**

- (a) **For the production of plastic,** associated with energy consumption for the production of plastic pellets from virgin plastic materials;⁷
- (b) For paper and cardboard the emissions associated with the anaerobic decay within a disposal site may be claimed;⁷
- (c) **For the production of glass, emissions associated with the energy consumption for the production of virgin container glass corresponding to the preparation and mixing of raw materials before the melting stage⁸.**

5.2.1. Baseline emissions for plastics recycling

17. Baseline emissions for the production of pellet *i* from virgin inputs are calculated as follows making conservative assumptions:

- (a) It is assumed that natural gas supplies the process energy required for the thermal cracking; a default specific energy consumption of 15 GJ/t shall be used for HDPE and LDPE or 11.6GJ/t for PP respectively;
- (b) For manufacturing of a unit mass of PET, the baseline emissions for production of the monomers Mono Ethylene Glycol (MEG) and Purified Terephthalic Acid (PTA) are conservatively estimated as the energy demand for the production of the same mass of ethylene through thermal cracking; a default specific energy consumption of 15 GJ/t may be used;
- (c) It is assumed that process energy for polymerization is supplied with electricity. The following default values shall be used:
 - (i) 0.83 MWh/t (3 GJ/t) and 1.67 MWh/t (6 GJ/t) for HDPE and LDPE;
 - (ii) 1.11 MWh/t (4.0 GJ/t) for PET;
 - (iii) 0.56 MWh/t (2.0 GJ/t) for PP;

⁷ Virgin material production is included in the project boundary, even if it is not an identifiable site, because the emission factor for virgin material production for baseline calculation is based on the assumptions on the typical conditions for the virgin material production in the host country or in a non-Annex I country.

⁸ **Project proponent is encouraged to submit proposals to revise the methodology to include emissions avoided associated with the acquisition of raw materials and CO2 emissions avoided from the use of carbonated materials (such as limestone and soda) in the glass manufacturing process.**

- (d) The remaining steps of virgin pellet production (melting and shaping, pelletizing, compounding) require relatively negligible amounts of energy and hence are ignored.
18. Baseline emissions for the production of pellet type i from virgin inputs are calculated using equation (1):

$$BE_{\text{plastic},y} = \sum_i [Q_{i,y} \times L_i \times (SEC_{BL,i} \times EF_{el,y} + SFC_{BL,i} \times EF_{FF,CO_2})] \quad \text{Equation (1)}$$

Where:

$BE_{\text{plastic},y}$	= Baseline emissions for plastics recycling in year y (tCO ₂ /year)
i	= Indices for material type i ($i = 1, 2, 3, 4$ for HDPE, LDPE, PET and PP)
$Q_{i,y}$	= Quantity of plastic type i recycled in year y (t/y)
L_i	= Net to gross adjustment factor to cover degradation in material quality and material loss in the production process of the final product using the recycled material (use 0.75)
$SEC_{BL,i}$	= Specific electricity consumption for the production of virgin material type i (MWh/t), take value specified in paragraph 17(c)45(e)
$EF_{el,y}$	= Emission factor for grid electricity generation, as per the most recent version of the "Tool to calculate emission factor for an electricity system" (t CO ₂ /MWh). If the virgin material is sourced from more than one non-Annex 1 countries, the weighted average of the grid emission factors shall be used, using market data from the last three years prior to the project start date
$SFC_{BL,i}$	= Specific fuel consumption for the production of virgin material type i (GJ/t), take value as specified in paragraph 17(a)45(a) and 17(b)45(b)
EF_{FF,CO_2}	= CO ₂ emission factor for fossil fuel (t CO ₂ /GJ)

5.2.2. Baseline emissions for plastics recycling

19. Baseline emissions for the anaerobic decay of paper and cardboard in the solid waste disposal site are calculated using the methodological tool "Emissions from solid waste disposal sites" ~~"Tool to determine methane emissions avoided from disposal of waste at a solid waste disposal site".~~

5.2.3. Baseline emissions for glass recycling

20. Baseline emissions for the production of container glass from virgin inputs are calculated through the following conservative assumptions:
- (a) Container glass cullet will displace only the preparation and mixing of raw materials before the melting stage;

- (b) The only source of energy consumed by the preparation and mixing of raw materials is electricity – no fossil-fuels are used;
- (c) The default value for SEC (specific electricity consumption) of 0.026 MWh/t_{glass} shall be used;
- (d) The remaining steps of container glass production are not considered because the use of container glass cullet does not avoid melting and the subsequent steps of the glass manufacturing process (i.e. forming and post-forming);

21. Baseline emissions for the production of container glass from virgin inputs are calculated using following equation:

$$BE_{glass,y} = \sum_i [Q_{glass,y} \times L_{glass} \times SEC_{Bl,glass} \times EF_{el,y}] \quad \text{Equation (2)}$$

Where:

$BE_{glass,y}$	=	Baseline emissions in year y (t CO ₂ /y)
$Q_{glass,y}$	=	Quantity of glass cullet recycled by the project activity in year y (t/y)
L_{glass}	=	Net to gross adjustment factor to cover degradation in material quality and material loss in the production process of the final product using the recycled material (use 0.88)
$SEC_{Bl,glass}$	=	Specific electricity consumption for the production of raw materials displaced by the glass recycling (MWh/t), take value as specified in paragraph 20(c).

5.3. Leakage

22. If it is demonstrated that organic biogenic waste segregated in the recycling facility would otherwise have been deposited in a landfill without methane recovery in the baseline scenario, or if the baseline scenario is the incineration of the wastes, then no leakage calculation is required.

5.4. Project activity emissions

23. Project emissions include emissions for energy use at recycling facility.⁹ No project emissions need to be considered in the case of paper and cardboard. For project activities of Case B, project emissions are calculated using equation (32). The electricity and fuel energy consumption (EC_y , FC_y) shall be directly monitored.

$$PE_y = \sum_i [Q_{i,y} \times (EC_{i,y} \times EF_{el,y} + FC_{i,y} \times NCV_{FF} \times EF_{FF,CO2})] \quad \text{Equation (3)}$$

⁹ Emissions associated with transportation of recyclable materials and processing/manufacturing under the project activity are considered as equivalent to the corresponding emissions for the virgin materials and therefore ignored in this methodology.

Where:

PE_y	=	Project emissions in year y (t CO ₂ /y)
i	=	Indices for plastic type i ($i = 1, 2, 3$ for HDPE, LDPE, PET and PP) or container glass cullet
$Q_{i,y}$	=	Quantity of plastic type i or container glass cullet recycled in year y (t/y)
$EC_{i,y}$	=	Electricity consumption of the recycling facility apportioned to plastic type i or container glass cullet (MWh/t) in year y
$FC_{i,y}$	=	Fuel consumption of the recycling facility apportioned to plastic type i or container glass cullet (unit mass or volume/t) in year y
NCV_{FF}	=	Net calorific value of the fossil fuel consumed in the recycling facility in year y (GJ/unit mass or volume)
EF_{FF,CO_2}	=	CO ₂ emission factor of the fossil fuel consumed at the recycling facility (tCO ₂ /GJ), use local or national values, or IPCC default values

24. For Case A project activities, when project emissions are calculated using equation (2), the project emissions for electricity and fuel energy consumption (EC_y , FC_y) may be estimated based on the nameplate specific energy consumption of the equipment used and the average time of operation and level of service delivered,¹⁰ or based on measurement campaigns of the energy consumption under typical operation conditions. Alternatively, the project emissions from plastic recycling may be calculated using equation (43).

$$PE_y = \sum_i (Q_{i,y} \times SEC_{rec} \times EF_{el,y}) \quad \text{Equation (4)}$$

Where:

SEC_{rec}	=	Specific electricity consumption for the recycling of plastic type i , use 0.83 MWh/t (3 GJ/t) for HDPE/LDPE/PET/PP
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25. Project emissions may be allocated to each mass unit of segregated material by market prices, that is apportioning the emissions proportional to the market prices of plastics, metals, organics, glass and paper etc. The market prices may be either monitored ex post or be determined once for the crediting period. This rule can be applied only if transparent and reliable information on market prices is available. Alternatively, as a conservative approach, all project emissions shall be allocated to recycled plastic.
26. The following formulas may be used to allocate project emissions to each mass unit of segregated material s by market prices

¹⁰ In case the nameplate energy consumption and/or service provided by the equipments used in the recycling facility in Case A are unknown, they may be estimated by a local expert in order to define a locally applicable emission factor for the recycling plant.

$$EC_y = EC_y \times \frac{Q_{i,y} \times \$_{i,y}}{\sum_s (Q_{s,y} \times \$_{s,y})} \quad \text{Equation (5)}$$

$$FC_y = FC_y \times \frac{Q_{i,y} \times \$_{i,y}}{\sum_s (Q_{s,y} \times \$_{s,y})} \quad \text{Equation (6)}$$

Where:

S	=	Indices for each of the segregated materials at the recycling facility with a market price including plastic type i and other marketable items such as organics and glass
EC_y	=	Total electricity consumption of the recycling facility in year y (MWh/y)
FC_y	=	Total fossil fuel consumption of the recycling facility in year y (unit mass or volume/y)
$Q_{s,y}$	=	Quantity of material type s segregated in the recycling facility in year y (t/y)
$\$_{i,y}$	=	Sale price of plastic type i or container glass in year y
$\$_{s,y}$	=	Sale price of the segregated material type s in year y

5.5. Emission reductions

27. The emission reductions achieved by the project activity shall be determined as the difference between the baseline emissions and the project emissions and leakage.

$$ER_y = BE_y (BE_{plastic,y} + BE_{glass,y} + BE_{paper,y}) - PE_y - L_y \quad \text{Equation (7)}$$

Where:

ER_y	=	Emission reductions in year y (t CO ₂ e)
$BE_{plastic,y}$	=	Baseline emissions in year y associated with the recycling of plastic (t CO ₂ e)
$BE_{glass,y}$	=	Baseline emissions in year y associated with the recycling of glass (t CO ₂ e)
$BE_{paper,y}$	=	Baseline emissions in year y associated with the recycling of paper (t CO ₂ e)
PE_y	=	Project emissions in year y (t CO ₂ e)
L_y	=	Leakage emissions in year y (t CO ₂ e)

6. Monitoring methodology

28. The following parameters as indicated in section 6.1 below shall be monitored and recorded during the crediting period. The applicable requirements specified in the

"General guidelines for SSC CDM methodologies" are also an integral part of the monitoring guidelines specified below and therefore shall be referred to by the project participants:

6.1. Data and parameters monitored

Data / Parameter table 1.

Data / Parameter:	Municipal solid waste
Data unit:	t/y
Description:	Quantity of municipal solid waste collected at the recycling facility
Source of data:	-
Measurement procedures (if any):	Quantity
Monitoring frequency:	Yearly
QA/QC procedures:	-
Any comment:	-

Data / Parameter table 2.

Data / Parameter:	$Q_{s,y}$, and $Q_{i,y}$ and Q_{glass}
Data unit:	t/y
Description:	Quantity of each of the segregated materials leaving the recycling facility with a market price, including plastic type i and other marketable items such as organics, container glass cullet, etc.
Source of data:	-
Measurement procedures (if any):	Direct weighing and recording of the weight, cross checked with company records that is invoices that are backed with receipt of payments. For the case of plastic type i in Case B, cross-check with the mass of product(s) used at the processing/ manufacturing facility using production records ¹¹
Monitoring frequency:	Recorded at the time of sending each consignment from recycling facility to processing/ manufacturing facility or other customers
QA/QC procedures:	-
Any comment:	-

¹¹ This is to ensure that the recycled HDPE and LDPE are further utilized and substitute virgin raw materials.

Data / Parameter table 3.

Data / Parameter:	EC _y
Data unit:	MWh
Description:	Electricity consumption of the recycling facility in year <i>y</i>
Source of data:	-
Measurement procedures (if any):	Metering with calibrated equipment. As an alternative option, for the project activity where monitoring is not possible, default values based on specification of equipment may be conservatively considered
Monitoring frequency:	Continuous
QA/QC procedures:	-
Any comment:	-

Data / Parameter table 4.

Data / Parameter:	FC _y
Data unit:	MJ
Description:	Fossil fuel consumption of the recycling facility in year <i>y</i>
Source of data:	-
Measurement procedures (if any):	Weight or volume & density and calorific value
Monitoring frequency:	-
QA/QC procedures:	-
Any comment:	-

Data / Parameter table 5.

Data / Parameter:	\$ _{i,y} and \$ _{s,y}
Data unit:	\$
Description:	Sale price of plastic type <i>i</i> or material <i>s</i> in year <i>y</i>
Source of data:	-
Measurement procedures (if any):	Cross check with sale invoices/receipts
Monitoring frequency:	As per paragraph 22
QA/QC procedures:	-
Any comment:	-

Data / Parameter table 6.

Data / Parameter:	Intrinsic Viscosity
Data unit:	decilitres/gram (dL/g)
Description:	Intrinsic Viscosity of PET/PP
Source of data:	-
Measurement procedures (if any):	Test method for determining Intrinsic viscosity is as per ASTM D 4603 "Standard test method for determining Viscosity of Polyethylene Terephthalate" for PET and as per "Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers; EN ISO 1628-3:2010)" for PP
Monitoring frequency:	Every batch of Polymerisation
QA/QC procedures:	-
Any comment:	-

6.2. Project activity under a programme of activities

29. Further guidance on leakage would be required to adapt this methodology for application to project activities under programme of activities.

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Document information

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05.2	12 August 2016	Editorial revision to correct the year in paragraph 11.
05.1	5 August 2016	Editorial revision to include information on mandatory and conditional sectoral scopes under section 2.4, paragraph 12.
05.0	22 July 2016	EB 90, Annex 14 Revision to broaden the applicability of container glass.
04.0	23 November 2012	EB 70, Annex 28 The revision includes inclusion of Polypropylene (PP).
03	15 July 2011	EB 62, Annex 10 The revision includes: <ul style="list-style-type: none"> • Inclusion of accounting avoided methane emissions for recycling of paper and cardboard; • Inclusion of simplified requirements such as the use of default values for project emissions for the informal waste sector; and • Elimination of project emissions associated with energy use at processing/manufacturing facility.
02	18 February 2011	EB 59, Annex 3 Inclusion of Polyethylene Terephthalate (PET).

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