CLEAN DEVELOPMENT MECHANISM

**CDM-EB88-A04-STAN**

# Standard

# Applicability of sectoral scopes

Version 01.0

United Nations
Framework Convention on
Climate Change

**TABLE OF CONTENTS** **Page**

# 1. Introduction

1. Each baseline and monitoring methodology is linked with one or more specific sectoral scopes selected from 16 pre-defined sectoral scopes.[1] For a designated operational entity (DOE) to perform validation or verification for a project activity or a programme of activities (PoA), it shall be accredited in the sectoral scopes linked with the methodology applied by the project activity or PoA.

2. At its eightieth meeting, the Executive Board of the clean development mechanism (CDM) (hereinafter referred to as the Board) adopted version 06.0 of the CDM accreditation standard and version 04.0 of the Transitional provisions for implementation of the revised CDM accreditation standard.

3. A significant part of the revision of the CDM accreditation standard was the reclassification of technical areas within the 16 sectoral scopes, as elaborated in the transitional provisions. With the adoption of the transitional provisions, the Board recognized that certain baseline and monitoring methodologies would have to be reclassified with respect to the linked sectoral scopes.

4. At its eighty-sixth meeting, the Board agreed, in conjunction with the reclassification of methodologies, on a flexible approach to the application of sectoral scopes where only relevant sectoral scopes would be required based on the type of the mitigation activity being implemented and where emission reductions occur. This standard addresses both of these mandates.

# 2. Scope, applicability and entry into force

## 2.1. Scope

5. This standard sets out the rules for determining the relevant sectoral scopes of the applied methodology in which the validating or verifying/certifying DOE shall be accredited.

## 2.2. Entry into force

6. Version 01.0 of this standard is effective as of 11 March 2016 and may be applied voluntarily from this date in its totality. The compliance with this version of the standard shall be mandatory as of 7 November 2016 for all new requests for registration and issuance that are submitted to the secretariat on or after this date.

# 3. Normative references

7. The following documents are indispensable for the application of this standard:

   (a) All methodologies;

   (b) The “CDM accreditation standard”, which contains a description and explanation of the sectoral scopes.

[1] CDM accreditation standard, version 06.0, appendix 2.

# 4. Definitions

8. The following general terms apply in this standard:

   (a) "Shall" is used to indicate requirements to be followed;

   (b) "Should" is used to indicate that among several possibilities, one course of action is recommended as particularly suitable;

   (c) "May" is used to indicate what is permitted.

9. In addition to the definitions contained in the "Glossary of CDM terms", the following terms apply in this standard:

   (a) Mandatory sectoral scope – sectoral scope in which a DOE shall be accredited in order to qualify for conducting validation and verification/certification work;

   (b) Conditional sectoral scope – sectoral scope in which a DOE shall be accredited under certain conditions.

# 5. Amendment of methodologies

10. The reclassified sectoral scopes of the methodologies that were approved before 11 March 2016, with the information on mandatory and conditional sectoral scopes, are contained in the appendix.

11. For the methodologies that are approved on or after 11 March 2016, the information on mandatory and conditional sectoral scopes shall be included within each methodology as a new section.

12. For the convenience of users, the secretariat shall publish a table containing the sectoral scope classification information for all methodologies on the UNFCCC CDM website.

13. All methodologies referred to in paragraph 10 above are hereby amended by superseding the provision in each methodology where its linkage with specific sectoral scopes is established, and by inserting the following new paragraph, with appropriate numbering, at the beginning of the methodologies:

    "See also the "Standard: Applicability of sectoral scopes" for the linkage and application of sectoral scopes to each methodology."

# 6. Applicability of sectoral scopes of accreditation

14. A DOE shall be accredited in the mandatory sectoral scopes linked to the methodology applied to the project activity or PoA for which it conducts validation or verification. The DOE shall also be accredited in the conditional sectoral scopes linked to the applied methodology if the project activity or PoA falls under specific conditions as defined in the appendix (for the methodologies approved before 11 March 2016) or in the methodology itself (for the methodologies approved on or after 11 March 2016).

# Appendix . Reclassification of methodologies

## 1. Large-scale methodologies

1. See table 1 to determine the applicable sectoral scopes. Each row applies to all versions of that methodology.

2. A dash (“-“) indicates a cell that has been left blank intentionally.

**Table 1. Applicability of sectoral scopes to large-scale methodologies**

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AM0001 | Decomposition of fluoroform (HFC-23) waste streams | - | 11 | - |
| AM0002* | Greenhouse gas emission reductions through landfill gas capture and flaring where the baseline is established by a public concession contract | - | 13 | - |
| AM0003* | Simplified financial analysis for landfill gas capture projects | If the recovered land fill gas (LFG) is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered LFG is used for any other purposes then sectoral scope 13 and sectoral scope 1 apply. | 13 | 1 |
| AM0004* | Grid-connected biomass power generation that avoids uncontrolled burning of biomass | If emission reductions are claimed for preventing disposal and/or preventing uncontrolled burning of biomass residues in the baseline, then sectoral scope 1 and 13 apply.<br>For all other cases sectoral scope 1 alone applies. | 1 | 13 |
| AM0005* | Small grid-connected zero-emissions renewable electricity generation | - | 1 | - |
| AM0006* | GHG emission reductions from manure management | - | 13 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | systems | | | |
| AM0007 | Analysis of the least-cost fuel option for seasonally-operating biomass cogeneration plants | - | 1 | - |
| AM0008* | Industrial fuel switching from coal and petroleum fuels to natural gas without extension of capacity and lifetime of the facility | If the switch from the high carbon intensity fuel to a lower carbon intensity fuel occurs in:<br>(a) The cement and lime industries, then sectoral scopes 1 and 4 apply;<br>(b) The chemical industries, then sectoral scope 1 and 5 apply;<br>(c) The mining and mineral industries, then sectoral scopes 1 and 8 apply;<br>(d) The iron, steel, aluminium and magnesium industries, then sectoral scope 1 and 9 apply;<br>(e) Units operating in the oil and gas industries, then sectoral scopes 1 and 10 apply. | 1 | 4, 5, 8, 9, 10 |
| AM0009 | Recovery and utilization of gas from oil fields that would otherwise be flared or vented | - | 1, 10 | - |
| AM0010* | Landfill gas capture and electricity generation projects where landfill gas capture is not mandated by law | If the recovered LFG is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered LFG is used for any other purposes then sectoral scopes 13 and 1 apply. | 13 | 1 |
| AM0011* | Landfill gas recovery with electricity generation and no capture or destruction of methane in the baseline scenario | If the recovered land fill gas (LFG) is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered LFG is used for any other purposes then sectoral scopes 13 and 1 apply. | 13 | 1 |
| AM0012* | Biomethanation of municipal solid waste in India, using compliance with MSW rules | If no measures, apart from the following waste treatment options are involved:<br>(a) Composting processes under aerobic conditions;<br>(b) Treatment of wastewater in combination with solid | 13 | 1 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | | waste, by co-composting or in an anaerobic digester without any energy generation;<br>then sectoral scope 13 alone applies.<br><br>For all other technologies, implemented either in combination with (a) and (b) above or independently, for example:<br>(a) Gasification to produce syngas and its use;<br>(b) Anaerobic digestion with biogas collection and flaring and/or its use (this includes processing and upgrading biogas and then distributing it via a natural gas distribution grid);<br>(c) Mechanical and/or thermal treatment process to produce refuse-derived fuel (RDF)/stabilized biomass (SB);<br>(d) Incineration of fresh waste for energy generation, electricity and/or heat);<br>then sectoral scopes 13 and 1 apply. | | |
| AM0013* | Avoided methane emissions from organic waste-water treatment - Version 4.0 | If the recovered biogas from the waste water treatment plant is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered biogas is used for any other purposes then sectoral scopes 13 and 1 apply. | 13 | 1 |
| AM0014 | Fossil fuel based cogeneration for identified recipient facility(ies) | - | 1 | - |
| AM0015* | Bagasse-based cogeneration connected to an electricity grid | - | 1 | - |
| AM0016* | Greenhouse gas mitigation from improved animal waste management systems in confined animal feeding operations | - | 13 | - |
| AM0017 | Steam system efficiency improvements by replacing | - | 3 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | steam traps and returning condensate | | | |
| AM0018 | Baseline methodology for steam optimization systems | - | 3 | - |
| AM0019 | Renewable energy projects replacing part of the electricity production of one single fossil fuel fired power plant that stands alone or supplies to a grid, excluding biomass projects | - | 1 | - |
| AM0020 | Baseline methodology for water pumping efficiency improvements | - | 3 | - |
| AM0021 | Baseline Methodology for decomposition of $N_2O$ from existing adipic acid production plants | - | 5 | - |
| AM0022* | Avoided Wastewater and On-site Energy Use Emissions in the Industrial Sector | If the recovered biogas from the waste water treatment plant is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered biogas is used for any other purposes then sectoral scope 13 and 1 apply. | 13 | 1 |
| AM0023 | Leak detection and repair in gas production, processing, transmission, storage and distribution systems and in refinery facilities | - | 10 | - |
| AM0024* | Baseline methodology for greenhouse gas reductions through waste heat recovery and utilization for power generation at cement plants | - | 1 | 4 |
| AM0025* | Alternative waste treatment processes | If no measures, apart from the following waste treatment options are involved:<br>(a) Composting processes under aerobic conditions;<br>(b) Treatment of wastewater in combination with solid waste, by co-composting or in an anaerobic digester without any energy generation;<br>then sectoral scope 13 alone applies.<br>For all other technologies, implemented either in | 13 | 1 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | | combination with (a) and (b) above or independently, for example:<br>(a) Gasification to produce syngas and its use;<br>(b) Anaerobic digestion with biogas collection and flaring and/or its use (this includes processing and upgrading biogas and then distributing it via a natural gas distribution grid);<br>(c) Mechanical and/or thermal treatment process to produce refuse-derived fuel (RDF)/stabilized biomass (SB);<br>(d) Incineration of fresh waste for energy generation, electricity and/or heat);<br>then sectoral scopes 13 and 1 apply. | | |
| AM0026 | Methodology for zero-emissions grid-connected electricity generation from renewable sources in Chile or in countries with merit order based dispatch grid | - | 1 | - |
| AM0027 | Substitution of $CO_2$ from fossil or mineral origin by $CO_2$ from renewable sources in the production of inorganic compounds | - | 5 | - |
| AM0028 | $N_2O$ destruction in the tail gas of Caprolactam production plants | - | 5 | - |
| AM0029* | Baseline Methodology for Grid Connected Electricity Generation Plants using Natural Gas | - | 1 | - |
| AM0030 | PFC emission reductions from anode effect mitigation at primary aluminium smelting facilities | - | 9 | - |
| AM0031 | Bus rapid transit projects | - | 7 | - |
| AM0032* | Methodology for waste gas or waste heat based cogeneration system | If waste energy, carried in an identified waste energy carrying medium (WECM), is converted into useful energy (e.g. power, mechanical, thermal and including co-generation) in the: | 1 | 4, 9, 10 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | | (a) The cement industry, then sectoral scope 1 and 4 apply;<br>(b) The iron, steel, aluminium and magnesium industry, then sectoral scope 1 and 9 apply;<br>(c) The oil and gas industries, then sectoral scope 1 and 10 apply. | | |
| AM0033* | Use of non-carbonated calcium sources in the raw mix for cement processing --- Version 2.0 | - | 4 | |
| AM0034* | Catalytic reduction of $N_2O$ inside the ammonia burner of nitric acid plants | - | 5 | - |
| AM0035 | SF6 emission reductions in electrical grids | - | 2, 11 | - |
| AM0036 | Fuel switch from fossil fuels to biomass residues in heat generation equipment | If emission reductions are claimed for preventing disposal and/or preventing uncontrolled burning of biomass residues in the baseline, then sectoral scope 1 and 13 apply.<br>For all other cases sectoral scope 1 alone applies. | 1 | 13 |
| AM0037 | Flare (or vent) reduction and utilization of gas from oil wells as a feedstock | - | 10 | - |
| AM0038 | Methodology for improved electrical energy efficiency of an existing submerged electric arc furnace used for the production of silicon and ferro alloys | - | 9 | - |
| AM0039* | Methane emissions reduction from organic waste water and bioorganic solid waste using co-composting | If emission reductions are not claimed on account of avoided fossil fuel and electricity consumption, then sectoral scope 13 alone applies.<br>For all other cases sectoral scopes 13 and 1 apply. | 13 | 1 |
| AM0040* | Baseline and monitoring methodology for project activities using alternative raw materials that contain carbonates in clinker manufacturing in cement kilns | - | 4 | - |
| AM0041* | Mitigation of Methane Emissions in the Wood | - | 5 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | Carbonization Activity for Charcoal Production | | | |
| AM0042 | Grid-connected electricity generation using biomass from newly developed dedicated plantations | - | 1, 15 | - |
| AM0043 | Leak reduction from a natural gas distribution grid by replacing old cast iron pipes or steel pipes without cathodic protection with polyethylene pipes | - | 10 | - |
| AM0044 | Energy efficiency improvement projects - boiler rehabilitation or replacement in industrial and district heating sectors. | - | 1 | - |
| AM0045 | Grid connection of isolated electricity systems | - | 1 | - |
| AM0046 | Distribution of efficient light bulbs to households | - | 3 | - |
| AM0047* | Production of biodiesel based on waste oils and/or waste fats from biogenic origin for use as fuel | If biodiesel is produced from waste oil or waste fat as a feed stock for:<br>(a) Stationary applications, then sectoral scope 5 and 1 apply;<br>(b) Transportation, then sectoral scopes 5 and 7 apply. | 5 | 1, 7 |
| AM0048 | New cogeneration project activities supplying electricity and heat to multiple costumers | - | 1 | - |
| AM0049 | Methodology for gas based energy generation in an industrial facility | - | 1 | - |
| AM0050 | Feed switch in integrated Ammonia-urea manufacturing industry | - | 5 | - |
| AM0051* | Secondary catalytic $N_2O$ destruction in nitric acid plants | - | 5 | - |
| AM0052 | Increased electricity generation from existing hydropower stations through Decision Support System optimization | - | 1 | - |
| AM0053 | Biogenic methane injection to a natural gas distribution grid | - | 13, 1 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AM0054* | Energy efficiency improvement of a boiler by introducing oil/water emulsion technology | - | 1 | - |
| AM0055 | Recovery and utilization of waste gas in refinery or gas plant | - | 1, 10 | - |
| AM0056 | Efficiency improvement by boiler replacement or rehabilitation and optional fuel switch in fossil fuel-fired steam boiler systems | - | 1 | - |
| AM0057 | Avoided emissions from biomass wastes through use as feed stock in pulp and paper, cardboard, fibreboard or bio-oil production | - | 5, 13 | - |
| AM0058 | Introduction of a new primary district heating system | - | 1 | - |
| AM0059 | Reduction in GHGs emission from primary aluminium smelters | - | 9 | - |
| AM0060 | Power saving through replacement by energy efficient chillers | - | 3 | - |
| AM0061 | Methodology for rehabilitation and/or energy efficiency improvement in existing power plants | - | 1 | - |
| AM0062 | Energy efficiency improvements of a power plant through retrofitting turbines | - | 1 | - |
| AM0063 | Recovery of $CO_2$ from tail gas in industrial facilities to substitute the use of fossil fuels for production of $CO_2$ | - | 5 | - |
| AM0064 | Capture and utilisation or destruction of mine methane (excluding coal mines) or non mine methane | - | 1, 8 | - |
| AM0065 | Replacement of $SF_6$ with alternate cover gas in the magnesium industry | - | 9 | - |
| AM0066 | GHG emission reductions through waste heat utilisation for pre-heating of raw materials in sponge iron manufacturing process | - | 9 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AM0067 | Methodology for installation of energy efficient transformers in a power distribution grid | - | 2 | - |
| AM0068 | Methodology for improved energy efficiency by modifying ferroalloy production facility | - | 9 | - |
| AM0069 | Biogenic methane use as feedstock and fuel for town gas production | - | 5 | - |
| AM0070 | Manufacturing of energy efficient domestic refrigerators | - | 3 | - |
| AM0071 | Manufacturing and servicing of domestic refrigeration appliances using a low GWP refrigerant | - | 11 | - |
| AM0072 | Fossil Fuel Displacement by Geothermal Resources for Space Heating | - | 1 | - |
| AM0073 | GHG emission reductions through multi-site manure collection and treatment in a central plant | If baseline emissions on account of avoided electricity and/or heat are not claimed then sectoral scope 13 alone applies.<br>For all other cases sectoral scopes 13 and 1 apply. | 13 | 1 |
| AM0074 | Methodology for new grid connected power plants using permeate gas previously flared and/or vented | - | 1, 10 | - |
| AM0075 | Methodology for collection, processing and supply of biogas to end-users for production of heat | - | 1, 13 | - |
| AM0076 | Implementation of fossil fuel trigeneration systems in existing industrial facilities | - | 1 | - |
| AM0077 | Recovery of gas from oil wells that would otherwise be vented or flared and its delivery to specific end-users | - | 1, 10 | - |
| AM0078 | Point of Use Abatement Device to Reduce SF6 emissions in LCD Manufacturing Operations | - | 11 | - |
| AM0079 | Recovery of $SF_6$ from Gas insulated electrical equipment in testing facilities | - | 11 | - |
| AM0080 | Mitigation of greenhouse gases emissions with | If the recovered biogas from the waste water treatment | 13 | 1 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | treatment of wastewater in aerobic wastewater treatment plants | plant is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered biogas is used for any other purposes then sectoral scopes 13 and 1 apply. | | |
| AM0081 | Flare or vent reduction at coke plants through the conversion of their waste gas into dimethyl ether for use as a fuel | - | 1, 5 | - |
| AM0082 | Use of charcoal from planted renewable biomass in the iron ore reduction process through the establishment of a new iron ore reduction system | If biomass is used from dedicated plantations and not from afforestation and reforestation (A/R), then sectoral scopes 5, 9 and 15 apply.<br>If an A/R component is involved then sectoral scopes 5, 9 and 14 apply. | 5, 9 | 14, 15 |
| AM0083 | Avoidance of landfill gas emissions by in-situ aeration of landfills | - | 13 | - |
| AM0084 | Installation of cogeneration system supplying electricity and chilled water to new and existing consumers | - | 1 | - |
| AM0085* | Co-firing of biomass residues for electricity generation in grid connected power plants --- Version 1.0 | - | 1 | |
| AM0086 | Distribution of zero energy water purification systems for safe drinking water | - | 3 | - |
| AM0087* | Construction of a new natural gas power plant supplying electricity to the grid or a single consumer | - | 1 | - |
| AM0088 | Air separation using cryogenic energy recovered from the vaporization of LNG | - | 10 | - |
| AM0089 | Production of diesel using a mixed feedstock of gasoil and vegetable oil | - | 10, 15 | - |
| AM0090 | Modal shift in transportation of cargo from road transportation to water or rail transportation | - | 7 | - |
| AM0091 | Energy efficiency technologies and fuel switching in new | - | 1, 3 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | buildings | | | |
| AM0092 | Substitution of PFC gases for cleaning Chemical Vapour Deposition (CVD) reactors in the semiconductor industry | - | 11 | - |
| AM0093 | Avoidance of landfill gas emissions by passive aeration of landfills | - | 13 | - |
| AM0094 | Distribution of biomass based stove and/or heater for household or institutional use | - | 1 | - |
| AM0095 | Waste gas based combined cycle power plant in a Greenfield iron and steel plant | - | 1, 9 | - |
| AM0096 | $CF_4$ emission reduction from installation of an abatement system in a semiconductor manufacturing facility | - | 11 | - |
| AM0097 | Installation of high voltage direct current power transmission line | - | 2 | - |
| AM0098 | Utilization of ammonia-plant off gas for steam generation | - | 1,5 | - |
| AM0099 | Installation of a new natural gas fired gas turbine to an existing CHP plant | - | 1 | - |
| AM0100 | Integrated Solar Combined Cycle (ISCC) projects | - | 1 | - |
| AM0101 | High speed passenger rail systems | - | 7 | - |
| AM0102 | Greenfield cogeneration facility supplying electricity and steam to a Greenfield Industrial Consumer and exporting excess electricity to a grid and/or project customer(s) | - | 1 | - |
| AM0103 | Renewable energy power generation in isolated grids | - | 1 | - |
| AM0104 | Interconnection of electricity grids in countries with economic merit order dispatch | - | 1 | - |
| AM0105 | Energy efficiency in data centres through dynamic | - | 3 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | power management | | | |
| AM0106 | Energy efficiency improvements of a lime production facility through installation of new kilns | - | 4 | - |
| AM0107 | New natural gas based cogeneration plant | - | 1 | - |
| AM0108 | Interconnection between electricity systems for energy exchange | - | 1 | - |
| AM0109 | Introduction of hot supply of Direct Reduced Iron in Electric Arc Furnaces | - | 9 | - |
| AM0110 | Modal shift in transportation of liquid fuels | - | 7 | - |
| AM0111 | Abatement of fluorinated greenhouse gases in semiconductor manufacturing | - | 11 | - |
| AM0112 | Less carbon intensive power generation through continuous reductive distillation of waste | - | 13,1 | - |
| AM0113 | Distribution of compact fluorescent lamps (CFL) and light-emitting diode (LED) lamps to households | - | 3 | - |
| AM0114 | Shift from electrolytic to catalytic process for recycling of chlorine from hydrogen chloride gas in isocyanate plants | - | 5 | - |
| AM0115 | Recovery and utilization of coke oven gas from coke plants for LNG production | - | 5, 10 | - |
| AM 0116 | Electric taxiing systems for airplanes --- Version 1.0 | - | 7 | - |

* Withdrawn methodology

## 2. Large-scale consolidated methodologies

3. See table 2 to determine the applicable sectoral scopes. Each row applies to all versions of that methodology.

4. A dash ("-") has been used to indicate a cell that has been left blank intentionally.

**Table 2. Applicability of sectoral scopes to large-scale consolidated methodologies**

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| ACM0001 | Flaring or use of landfill gas | If the recovered LFG is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered LFG is used for any other purposes then sectoral scopes 13 and sectoral scope 1 apply. | 13 | 1 |
| ACM0002 | Grid-connected electricity generation from renewable sources | - | 1 | - |
| ACM0003 | Partial substitution of fossil fuels in cement or quicklime manufacture | If emission reductions are claimed for preventing disposal and/or preventing uncontrolled burning of biomass residues in the baseline, then sectoral scope 1, 4 and 13 apply.<br>If biomass is sourced from dedicated plantations, then sectoral scope 1, 4 and 15 apply.<br>If emission reductions are claimed for preventing disposal and/or preventing uncontrolled burning of biomass residues in the baseline and biomass is sourced from dedicated plantations, then sectoral scope 1, 4, 13 and 15 apply.<br>For all other cases sectoral scope 1 and 4 apply. | 1, 4 | 13, 15 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| ACM0004* | Consolidated methodology for waste gas and/or heat for power generation | If waste energy, carried in an identified waste energy carrying medium (WECM), is converted into useful energy (e.g. power, mechanical, thermal and including co-generation) in:<br>(a) The cement industry, then sectoral scope 1 and 4 apply;<br>(b) The iron, steel, aluminum and magnesium industry, then sectoral scope 1 and 9 apply;<br>(c) The oil and gas industries, then sectoral scope 1 and 10 apply. | 1 | 4, 9, 10 |
| ACM0005 | Increasing the blend in cement production | - | 4 | |
| ACM0006 | Consolidated methodology for electricity and heat generation from biomass | If emission reductions are claimed for preventing disposal and/or preventing uncontrolled burning of biomass residues in the baseline, then sectoral scopes 1 and 13 apply.<br>If biomass is sourced from dedicated plantations, then sectoral scopes 1 and 15 apply.<br>If emission reductions are claimed for preventing disposal and/or preventing uncontrolled burning of biomass residues in the baseline and biomass is sourced from dedicated plantations, then sectoral scopes 1, 13 and 15 apply.<br>For all other cases sectoral scope 1 alone applies. | 1 | 13, 15 |
| ACM0007 | Conversion from single cycle to combined cycle power generation | - | 1 | |
| ACM0008 | Abatement of methane from coal mines | - | 1, 8 | |
| ACM0009 | Consolidated baseline and monitoring methodology for fuel switching from coal or petroleum fuel to natural gas | If the switch from the high carbon intensity fuel to a lower carbon intensity fuel occurs in the:<br>(a) The cement and lime industries, then sectoral scopes 1 and 4 apply;<br>(b) The chemical industries, then sectoral scopes 1 and | 1 | 4, 5, 8, 9, 10 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | | 5 apply;<br>(c) The mining and mineral industries, then sectoral scopes 1 and 8 apply;<br>(d) The iron, steel, aluminium and magnesium industries, then sectoral scopes 1 and 9 apply;<br>(e) Units operating in the oil and gas industries, then sectoral scopes 1 and 10 apply. | | |
| ACM0010 | GHG emission reductions from manure management systems | If the recovered biogas from the manure treatment plant is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered biogas is used for any other purposes then sectoral scopes 13 and 1 apply. | 13 | 1 |
| ACM0011 | Fuel switching from coal and/or petroleum fuels to natural gas in existing power plants for electricity generation | - | 1 | |
| ACM0012 | Waste energy recovery | If waste energy, carried in an identified waste energy carrying medium (WECM), is converted into useful energy (e.g. power, mechanical, thermal and including co-generation) in the:<br>(a) Cement industry, then sectoral scope 1 and 4 apply;<br>(b) The mining and mineral industries, then sectoral scope 1 and 8 apply;<br>(c) Iron, steel, aluminium and magnesium industry, then sectoral scope 1 and 9 apply;<br>(d) Oil and gas industries, then sectoral scope 1 and 10 apply.<br>For waste energy carried in identified WECM stream(s) converted from a unit process to supply heat of reaction with or without process heating then sectoral scopes 1 and 5 apply. | 1 | 4, 5, 8, 9, 10 |
| ACM0013 | Construction and operation of new grid connected fossil | - | 1 | |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | fuel fired power plants using a less GHG intensive technology | | | |
| ACM0014 | Treatment of wastewater | If the recovered biogas from the waste water treatment plant is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered biogas is used for any other purposes then sectoral scopes 13 and 1 apply. | 13 | 1 |
| ACM0015 | Emission reductions from raw material switch in clinker production | - | 4 | |
| ACM0016 | Mass Rapid Transit Projects | - | 7 | |
| ACM0017 | Production of biodiesel for use as fuel | If biodiesel is produced from waste oil or waste fat as a feed stock for:<br>(a) Stationary applications, then sectoral scope 5 and 1 apply;<br>(b) Transportation, then sectoral scopes 5 and 7 apply.<br>If biodiesel is produced from anything other than waste oil or waste fat as a feed stock for:<br>(a) Stationary applications, then sectoral scopes 5, 1 and 15 apply;<br>(b) Transportation, then sectoral scopes 5, 7 and 15 apply. | 5 | 1, 7, 15 |
| ACM0018 | Electricity generation from biomass residues in power-only plants | If emission reductions are claimed for preventing disposal and/or preventing uncontrolled burning of biomass residues in the baseline, then sectoral scopes 1 and 13 apply.<br>For all other cases sectoral scope 1 alone applies. | 1 | 13 |
| ACM0019 | N2O abatement from nitric acid production | - | 5 | |
| ACM0020 | Co-firing of biomass residues for heat generation and/or electricity generation in grid connected power plants | If emission reductions are claimed for preventing disposal and/or preventing uncontrolled burning of biomass residues in the baseline, then sectoral scopes | 1 | 13 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | | 1 and 13 apply.<br>For all other cases sectoral scope 1 alone applies. | | |
| ACM0021 | Reduction of emissions from charcoal production by improved kiln design and/or abatement of methane | If there is no change in the type and source of inputs (wood source, adoption of fossil-fuel-based inputs, etc.) used in the production of charcoal and all measures are solely about efficiency improvements or methane abatement, then sectoral scope 5 alone applies.<br>For all other cases sectoral scopes 5 and 15 apply. | 5 | 15 |
| ACM0022 | Alternative waste treatment processes | If no measures, apart from the following waste treatment options are involved:<br>(a) Composting processes under aerobic conditions;<br>(b) Treatment of wastewater in combination with solid waste, by co-composting or in an anaerobic digester without any energy generation;<br>then sectoral scope 13 alone applies.<br>For all other technologies, implemented either in combination with (a) and (b) above or independently, for example:<br>(a) Gasification to produce syngas and its use;<br>(b) Anaerobic digestion with biogas collection and flaring and/or its use (this includes processing and upgrading biogas and then distributing it via a natural gas distribution grid);<br>(c) Mechanical and/or thermal treatment process to produce RDF/ SB;<br>(d) Incineration of fresh waste for energy generation (electricity and/or heat);<br>then sectoral scopes 13 and 1 apply. | 13 | 1 |
| ACM0023 | Introduction of an efficiency improvement technology in a boiler | - | 1 | |
| ACM0024 | Natural gas substitution by biogenic methane produced | - | 1, 13 | |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| | from the anaerobic digestion of organic waste | | | |
| ACM0025 | Construction of a new natural gas power plant | - | 1 | |
| ACM0026 | Fossil fuel based cogeneration for identified recipient facility(ies) | - | 1 | |

* Withdrawn methodology.

## 3. Small-scale methodologies

5. See table 3 to determine the applicable sectoral scopes. Each row applies to all versions of that methodology.

6. A dash ("-") has been used to indicate a cell that has been left blank intentionally.

**Table 3. Applicability of sectoral scopes to small-scale methodologies**

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-I.A. | Electricity generation by the user | If electricity is generated using biogas, then sectoral scope 1 and 13 apply.<br>If electricity is generated using biomass from dedicated plantations, then sectoral scope 1 and 15 apply.<br>For all other types of renewable energy-based electricity generation, including from biomass residues, sectoral scope 1 alone applies. | 1 | 13, 15 |
| AMS-I.B. | Mechanical energy for the user with or without electrical energy | If mechanical energy is generated using biomass from dedicated plantations, then sectoral scope 1 and 15 apply.<br>If mechanical energy is generated using biogas, then sectoral scope 1 and 13 apply.<br>For all other types of renewable energy-based mechanical energy generation, including from biomass residues, sectoral scope 1 alone applies. | 1 | 13, 15 |
| AMS-I.C. | Thermal energy production with or without electricity | If electricity and/or heat is generated using biomass from dedicated plantations, then sectoral scope 1 and 15 apply.<br>If electricity and/or heat is generated using biogas, then sectoral scope 1 and 13 apply.<br>For all other types of renewable energy based electricity and/or heat generations, including from biomass residues, sectoral scope 1 alone applies. | 1 | 13, 15 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-I.D. | Grid connected renewable electricity generation | If electricity is generated using biogas, then sectoral scopes 1 and 13 apply.<br>If electricity is generated using biomass from dedicated plantations, then sectoral scopes 1 and 15 apply.<br>For all other types of renewable energy based electricity generation, including from biomass residues, sectoral scope 1 alone applies. | 1 | 13, 15 |
| AMS-I.E. | Switch from non-renewable biomass for thermal applications by the user | If thermal energy for cook stoves is generated using biomass from dedicated plantations, then sectoral scope 1 and 15 apply.<br>If thermal energy for cook stoves is generated using biogas, then sectoral scopes 1 and 13 apply.<br>For all other types of thermal energy for cook stoves (based on renewable energy), including from biomass residues, sectoral scope 1 alone applies. | 1 | 13, 15 |
| AMS-I.F. | Renewable electricity generation for captive use and mini-grid | If electricity is generated using biogas, then sectoral scopes 1 and 13 apply.<br>If electricity is generated using biomass from dedicated plantations, then sectoral scopes 1 and 15 apply.<br>For all other types of renewable energy based electricity generation, including from biomass residues, sectoral scope 1 alone applies. | 1 | 13, 15 |
| AMS-I.G. | Plant oil production and use for energy generation in stationary applications | - | 1, 15 | - |
| AMS-I.H. | Biodiesel production and use for energy generation in stationary applications | If biodiesel is produced from waste oil or waste fat as a feed stock then sectoral scopes 5 and 1 apply;<br>If biodiesel is produced from anything other than waste oil or waste fat as a feed stock then sectoral scopes 5, 1 and 15 apply. | 5 | 1, 15 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-I.I. | Biogas/biomass thermal applications for households/small users | If thermal energy is generated using biogas, then sectoral scope 1 and 13 apply.<br>If thermal energy is generated using biomass from dedicated plantations, then sectoral scopes 1 and 15 apply.<br>For all other types of thermal energy generation, including from biomass residues, sectoral scope 1 alone applies. | 1 | 13, 15 |
| AMS-I.J. | Solar water heating systems (SWH) | - | 1 | - |
| AMS-I.K. | Solar cookers for households | - | 1 | - |
| AMS-I.L. | Electrification of rural communities using renewable energy | If electricity is generated using biogas, then sectoral scopes 1 and 13 apply.<br>If electricity is generated using biomass from dedicated plantations, then sectoral scopes 1 and 15 apply.<br>For all other types of renewable energy based electricity generation, including from biomass residues, sectoral scope 1 alone applies. | 1 | 13, 15 |
| AMS-II.A. | Supply side energy efficiency improvements – transmission and distribution | - | 2 | |
| AMS-II.B. | Supply side energy efficiency improvements – generation | - | 1 | |
| AMS-II.C. | Demand-side energy efficiency activities for specific technologies | If baseline emissions on account of replaced refrigerant are claimed and/ or project equipment could leak refrigerants then sectoral scopes 3 and 11 applies.<br>For all other cases sectoral scope 3 alone applies. | 3 | 11 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-II.D | Energy efficiency and fuel switching measures for industrial facilities | For project activities or PoAs that implement supply side energy efficiency measures such as trigeneration and/or improve efficiency in utilities such as engines, boilers etc. sectoral scope 1 alone applies.<br>For project activities or PoAs that implement demand side energy efficiency measures in:<br>(a) Thermal or electrical installations (e.g.: motors, pumps of cooling towers, boilers, engines etc.) implemented in a utility housed within an industrial facility that does not have any interaction or exchange with the production process, sectoral scope 3 alone applies;<br>(b) The cement and lime industries, then sectoral scopes 3 and 4 apply;<br>(c) The chemical process industries, then sectoral scopes 3 and 5 apply;<br>(d) The mining and mineral industries, then sectoral scopes 3 and 8 apply;<br>(e) The iron, steel, aluminium and magnesium industries, then sectoral scopes 3 and 9 apply;<br>(f) Units operating in the oil and gas industries, then sectoral scopes 3 and 10 apply. | - | 1, 3, 4, 5, 8, 9, 10 |
| AMS-II.E. | Energy efficiency and fuel switching measures for buildings | - | 1, 3 | - |
| AMS-II.F. | Energy efficiency and fuel switching measures for agricultural facilities and activities | - | 3, 15 | - |
| AMS-II.G. | Energy efficiency measures in thermal applications of non-renewable biomass | - | 3 | - |
| AMS-II.H. | Energy efficiency measures through centralization of utility provisions of an industrial facility | - | 1 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-II.I. | Efficient utilization of waste energy in industrial facilities | If waste energy originating from the:<br>(a) The cement and lime industry is utilized, then sectoral scopes 1 and 4 apply;<br>(b) The chemical industry is utilized, then sectoral scopes 1 and 5 apply;<br>(c) The mining and mineral industry is utilized, then sectoral scopes 1 and 8 apply;<br>(d) The iron and steel industry is utilized, then sectoral scope 1 and 9 apply;<br>(e) Units operating in the oil and gas industries are utilized, then sectoral scopes 1 and 10 apply. | 1 | 4, 5, 8, 9, 10 |
| AMS-II.J. | Demand-side activities for efficient lighting technologies | - | 3 | - |
| AMS-II.K. | Installation of co-generation or tri-generation systems supplying energy to commercial building | - | 1 | - |
| AMS-II.L. | Demand-side activities for efficient outdoor and street lighting technologies | - | 3 | - |
| AMS-II.M. | Demand-side energy efficiency activities for installation of low-flow hot water savings devices | - | 3 | - |
| AMS-II.N. | Demand-side energy efficiency activities for installation of energy efficient lighting and/or controls in buildings | - | 3 | - |
| AMS-II.O. | Dissemination of energy efficient household appliances | - | 3 | - |
| AMS-II.P. | Energy efficient pump-set for agriculture use | - | 3 | - |
| AMS-II.Q. | Energy efficiency and/or energy supply projects in commercial buildings | - | 1, 3 | - |
| AMS-II.R. | Energy efficiency space heating measures for residential buildings | - | 3 | |
| AMS-II.S. | Energy efficiency in motor systems | - | 3 | |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-III.A. | Offsetting of synthetic nitrogen fertilizers by inoculant application in legumes-grass rotations on acidic soils on existing cropland | - | 15 | - |
| AMS-III.B. | Switching fossil fuels | - | 1 | - |
| AMS-III.C. | Emission reductions by electric and hybrid vehicles | In cases that do not involve dedicated transmission and distribution lines to charge electric vehicles, sectoral scope 7 alone applies.<br>If a renewable energy source is used for charging the electric vehicles through a dedicated transmission/distribution line:<br>(a) If electricity is generated using biogas, then sectoral scopes 1, 7 and 13 apply;<br>(b) If electricity is generated using biomass from dedicated plantations, then sectoral scopes 1, 7 and 15 apply;<br>(c) For all other types of renewable energy based electricity generation, including from biomass residues, then sectoral scopes 1 and 7 apply. | 7 | 1, 13, 15 |
| AMS-III.D. | Methane recovery in animal manure management systems | If the recovered biogas from the manure treatment plant is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered biogas is used for any other purposes then sectoral scope 13 and 1 apply. | 13 | 1 |
| AMS-III.E. | Avoidance of methane production from decay of biomass through controlled combustion, gasification or mechanical/thermal treatment | - | 13 | - |
| AMS-III.F. | Avoidance of methane emissions through composting | - | 13 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-III.G. | Landfill methane recovery | If the recovered land fill gas (LFG) is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered LFG is used for any other purposes then sectoral scopes 13 and 1 apply. | 13 | 1 |
| AMS-III.H. | Methane recovery in wastewater treatment | If the recovered biogas from the waste water treatment plant is only flared and not used for any other purposes then sectoral scope 13 alone applies.<br>If the recovered biogas is used for any other purposes then sectoral scope 13 and 1 apply. | 13 | 1 |
| AMS-III.I. | Avoidance of methane production in wastewater treatment through replacement of anaerobic systems by aerobic systems | - | 13 | - |
| AMS-III.J. | Avoidance of fossil fuel combustion for carbon dioxide production to be used as raw material for industrial processes | - | 5 | - |
| AMS-III.K. | Avoidance of methane release from charcoal production | - | 5 | - |
| AMS-III.L. | Avoidance of methane production from biomass decay through controlled pyrolysis | - | 13 | - |
| AMS-III.M. | Reduction in consumption of electricity by recovering soda from paper manufacturing process | - | 5 | - |
| AMS-III.N. | Avoidance of HFC emissions in rigid Poly Urethane Foam (PUF) manufacturing | - | 11 | - |
| AMS-III.O. | Hydrogen production using methane extracted from biogas | - | 5, 13 | - |
| AMS-III.P. | Recovery and utilization of waste gas in refinery facilities | - | 1, 10 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-III.Q. | Waste energy recovery | If waste energy, carried in an identified waste energy carrying medium (WECM), is converted into useful energy (e.g. power, mechanical, thermal and including co-generation) in the:<br>(a) The cement industry, then sectoral scopes 1 and 4 apply;<br>(b) The iron, steel, aluminium and magnesium industry, then sectoral scopes 1 and 9 apply;<br>(c) The oil and gas industries, then sectoral scopes 1 and 10 apply. | 1 | 4, 9, 10 |
| AMS-III.R. | Methane recovery in agricultural activities at household/small farm level | If the recovered methane from agricultural activities is only flared and not used for any other purpose, then sectoral scope 13 alone applies.<br>If the recovered methane is used for any other purpose, then sectoral scopes 13 and 1 apply. | 13 | 1 |
| AMS-III.S. | Introduction of low-emission vehicles/technologies to commercial vehicle fleets | - | 7 | - |
| AMS-III.T. | Plant oil production and use for transport applications | If plant oil is produced using bio-mass from dedicated plantations, then sectoral scopes 7 and 15 apply.<br>For all other cases sectoral scope 7 alone applies. | 7 | 15 |
| AMS-III.U. | Cable Cars for Mass Rapid Transit System (MRTS) | - | 7 | - |
| AMS-III.V. | Decrease of coke consumption in blast furnace by installing dust/sludge recycling system in steel works | - | 3,9 | - |
| AMS-III.W. | Methane capture and destruction in non-hydrocarbon mining activities | - | 1, 8 | - |
| AMS-III.X. | Energy Efficiency and HFC-134a Recovery in Residential Refrigerators | - | 3, 11 | - |
| AMS-III.Y. | Methane avoidance through separation of solids from wastewater or manure treatment systems | - | 13 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-III.Z. | Fuel Switch, process improvement and energy efficiency in brick manufacture | If fuel-switch uses biomass residues without changing the feedstock for brick production, then sectoral scopes 4 and 1 apply.<br>If energy efficiency in brick production occurs without change in fuel and feedstock, then sectoral scopes 4 and 3 apply.<br>If the feedstock switch for the production of bricks occurs without changes to the fuel as compared with the baseline, then sectoral scope 4 alone applies.<br>If the fuel-switch involves biomass from dedicated plantations, then sectoral scopes 4, 1 and 15 apply. | 4 | 1, 3, 15 |
| AMS-III.AA. | Transportation Energy Efficiency Activities using Retrofit Technologies | - | 7 | - |
| AMS-III.AB. | Avoidance of HFC emissions in Standalone Commercial Refrigeration Cabinets | - | 11 | - |
| AMS-III.AC. | Electricity and/or heat generation using fuel cell | - | 1, 5 | - |
| AMS-III.AD. | Emission reductions in hydraulic lime production | - | 4 | - |
| AMS-III.AE. | Energy efficiency and renewable energy measures in new residential buildings | - | 1, 3 | - |
| AMS-III.AF. | Avoidance of methane emissions through excavating and composting of partially decayed municipal solid waste (MSW) | - | 13 | - |
| AMS-III.AG. | Switching from high carbon intensive grid electricity to low carbon intensive fossil fuel | - | 1 | - |
| AMS-III.AH. | Shift from high carbon intensive fuel mix ratio to low carbon intensive fuel mix ratio | - | 1 | - |
| AMS-III.AI. | Emission reductions through recovery of spent sulphuric acid | - | 5 | - |
| AMS-III.AJ. | Recovery and recycling of materials from solid wastes | - | 13 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-III.AK. | Biodiesel production and use for transport applications | If biodiesel is produced from waste oil or waste fat, as a feedstock for transportation, then sectoral scope 5 and 7 apply.<br>If biodiesel is produced form anything other than waste oil or waste fat, as a feedstock for transportation, then sectoral scopes 5, 7 and 15 apply. | 5 | 7, 15 |
| AMS-III.AL. | Conversion from single cycle to combined cycle power generation | - | 1 | - |
| AMS-III.AM. | Fossil fuel switch in a cogeneration/trigeneration system | - | 1 | - |
| AMS-III.AN. | Fossil fuel switch in existing manufacturing industries | If the switch from the high carbon intensity fuel to a lower carbon intensity fuel occurs in:<br>(a) The cement and lime industries, then sectoral scopes 1 and 4 apply;<br>(b) The chemical industries, then sectoral scopes 1 and 5 apply;<br>(c) The mining and mineral industries, then sectoral scopes 1 and 8 apply;<br>(d) The iron, steel, aluminium and magnesium industries, then sectoral scopes 1 and 9 apply;<br>(e) Units operating in the oil and gas industries, then sectoral scopes 1 and 10 apply. | 1 | 4, 5, 8, 9, 10 |
| AMS-III.AO. | Methane recovery through controlled anaerobic digestion | - | 13 | - |
| AMS-III.AP. | Transport energy efficiency activities using post - fit Idling Stop device | - | 7 | - |
| AMS-III.AQ. | Introduction of Bio-CNG in transportation applications | If biomass from dedicated plantations is used, then sectoral scope 7, 13 and 15 apply.<br>For all other cases, sectoral scopes 7 and 13 apply. | 7, 13 | 15 |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-III.AR. | Substituting fossil fuel based lighting with LED/CFL lighting systems | - | 1 | - |
| AMS-III.AS. | Switch from fossil fuel to biomass in existing manufacturing facilities for non-energy applications | If the switch from the high carbon intensity fuel to a lower carbon intensity fuel occurs in:<br>(a) The cement and lime industries, then sectoral scopes 1 and 4 apply;<br>(b) The chemical industries, then sectoral scopes 1 and 5 apply;<br>(c) The mining and mineral industries, then sectoral scopes 1 and 8 apply;<br>(d) The iron, steel, aluminium and magnesium industries, then sectoral scopes 1 and 9 apply;<br>(e) Units operating in the oil and gas industries, then sectoral scopes 1 and 10 apply. | 1 | 4, 5, 8, 9, 10 |
| AMS-III.AT. | Transportation energy efficiency activities installing digital tachograph systems to commercial freight transport fleets | - | 7 | - |
| AMS-III.AU. | Methane emission reduction by adjusted water management practice in rice cultivation | - | 15 | - |
| AMS-III.AV. | Low greenhouse gas emitting water purification systems | - | 3 | - |
| AMS-III.AW. | Electrification of rural communities by grid extension | - | 2 | - |
| AMS-III.AX. | Methane oxidation layer (MOL) for solid waste disposal sites | - | 13 | - |
| AMS-III.AY. | Introduction of LNG buses to existing and new bus routes | - | 7 | - |
| AMS-III.BA. | Recovery and recycling of materials from E-waste | - | 13 | - |
| AMS-III.BB. | Electrification of communities through grid extension or construction of new mini-grids | - | 2 | - |

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AMS-III.BC. | Emission reductions through improved efficiency of vehicle fleets | - | 7 | - |
| AMS-III.BD. | GHG emission reduction due to supply of molten metal instead of ingots for aluminium castings | - | 9 | - |
| AMS-III.BE. | Avoidance of methane and nitrous oxide emissions from sugarcane pre-harvest open burning through mulching | - | 15 | - |
| AMS-III.BF. | Reduction of N2O emissions from use of Nitrogen Use Efficient (NUE) seeds that require less fertilizer application | - | 15 | - |
| AMS-III.BG. | Emission reduction through sustainable charcoal production and consumption | If charcoal production and consumption involves biomass from dedicated plantations, then sectoral scopes 5 and 15 apply.<br>For all other cases sectoral scope 5 alone applies. | 5 | 15 |
| AMS-III.BH. | Displacement of production of brick and cement by manufacture and installation of gypsum concrete wall panels | - | 6 | - |
| AMS-III.BI. | Flare gas recovery in gas treating facilities | - | 1, 10 | |
| AMS-III.BJ. | Destruction of hazardous waste using plasma technology including energy recovery | - | 13, 1 | |
| AMS-III.BK. | Strategic feed supplementation in smallholder dairy sector to increase productivity | - | 15 | - |
| AMS-III.BL. | Integrated methodology for electrification of communities | - | 1 | |

## 4. Afforestation and reforestation methodologies

7. See table 4 to determine the applicable sectoral scope. Each row applies to all versions of that methodology.

8. A dash ("-") has been used to indicate a cell that has been left blank intentionally.

**Table 4. Applicability of sectoral scopes to afforestation and reforestation methodologies**

| Meth Number | Title | Applicability of conditional sectoral scopes | Mandatory sectoral scope(s) | Conditional sectoral scope(s) |
|---|---|---|---|---|
| AR-ACM0003 | Afforestation and reforestation of lands except wetlands | - | 14 | |
| AR-AM0014 | Afforestation and reforestation of degraded mangrove habitats | - | 14 | |
| AR-AMS0003 | Simplified baseline and monitoring methodology for small scale CDM afforestation and reforestation project activities implemented on wetlands | - | 14 | |
| AR-AMS0007 | Simplified baseline and monitoring methodology for small scale CDM afforestation and reforestation project activities implemented on lands other than wetlands | - | 14 | |

- - - - -

## Document information

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