List of the CDM methodologies accepted from the energy sector under BioCarbon Standard

Date: February 2024

The following list of Clean Development Mechanism (CDM) methodologies is the result of following best practices related to monitoring formal developments in CDM methodologies, requirements, and tools. In compliance with BCR procedures described in the Standard Operating Procedures (SOP), the technical committee has assessed the monitoring of Clean Development Mechanism (CDM) methodologies under the eligible sectors to ensure coherence between methodologies used by GHG project holders and program eligibility conditions.

CDM - AM0007_Analysis of the least-cost fuel option for seasonally-operating biomass cogeneration plants

CDM - AM0017_Steam system efficiency improvements by replacing steam traps and returning condensate

CDM - AM0018_Baseline methodology for steam optimization systems

CDM - 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

CDM - AM0020_Baseline methodology for water pumping efficiency improvements

CDM - AM0026_Methodology for zero-emissions grid-connected electricity generation from renewable sources in Chile or in countries with merit order based dispatch grid

CDM - AM0036_Use of biomass in heat generation equipment

CDM - AM0038_Methodology for improved electrical energy efficiency of an existing submerged electric arc furnace used for the production of silicon and ferro alloys

CDM - AM0044_Energy efficiency improvement projects - boiler rehabilitation or replacement in industrial and district heating sectors

CDM - AM0046_Distribution of efficient light bulbs to households

CDM - AM0048_New cogeneration project activities supplying electricity and heat to multiple customers

CDM - AM0049_Methodology for gas based energy generation in an industrial facility

CDM - AM0052_Increased electricity generation from existing hydropower stations through Decision Support System optimization

CDM - AM0053_Biogenic methane injection to a natural gas distribution grid

CDM - AM0055_Recovery and utilization of waste gas in refinery or gas plant

CDM - AM0056_Efficiency improvement by boiler replacement or rehabilitation and optional fuel switch in fossil fuel-fired steam boiler systems

CDM - AM0058_Introduction of a district heating system

CDM - AM0059_Reduction in GHGs emission from primary aluminium smelters

CDM - AM0060_Power saving through replacement by energy efficient chillers

CDM - AM0061_Methodology for rehabilitation and/or energy efficiency improvement in existing power plants

CDM - AM0062_Energy efficiency improvements of a power plant through retrofitting turbines

CDM - AM0066_GHG emission reductions through waste heat utilisation for pre-heating of raw materials in sponge iron manufacturing process

CDM - AM0067_Methodology for installation of energy efficient transformers in a power distribution grid

CDM - AM0068_Methodology for improved energy efficiency by modifying ferroalloy production facility

CDM - AM0069_Biogenic methane use as feedstock and fuel for town gas production

CDM - AM0070_Manufacturing of energy efficient domestic refrigerators

CDM - AM0072_Fossil Fuel Displacement by Geothermal Resources for Space Heating

CDM - AM0075_Methodology for collection, processing and supply of biogas to end-users for production of heat

CDM - AM0076_Implementation of fossil fuel trigeneration systems in existing industrial facilities

CDM - AM0077_Recovery of gas from oil wells that would otherwise be vented or flared and its delivery to specific end-users

CDM - AM0081_Flare or vent reduction at coke plants through the conversion of their waste gas into dimethyl ether for use as a fuel

CDM - AM0082_Use of charcoal from planted renewable biomass in a new iron ore reduction system

CDM - AM0084_Installation of cogeneration system supplying electricity and chilled water to new and existing consumers

CDM - AM0086_Distribution of low greenhouse gas emitting water purification systems for safe drinking water

CDM - AM0088_Air separation using cryogenic energy recovered from the vaporization of LNG

CDM - AM0091_Energy efficiency technologies and fuel switching in new and existing buildings

CDM - AM0094_Distribution of biomass based stove and/or heater for household or institutional use

CDM - AM0095_Waste gas based combined cycle power plant in a Greenfield iron and steel plant

CDM - AM0097_Installation of high voltage direct current power transmission line

CDM - AM0098_Utilization of ammonia-plant off gas for steam generation

CDM - AM0099_Installation of a new natural gas fired gas turbine to an existing CHP plant

CDM - AM0100_Integrated Solar Combined Cycle (ISCC) projects

CDM - AM0103_Renewable energy power generation in isolated grids

CDM - AM0105_Energy efficiency in data centres through dynamic power management

CDM - AM0106_Energy efficiency improvements of a lime production facility through installation of new kilns

CDM - AM0107_New natural gas based cogeneration plant

CDM - AM0109_Introduction of hot supply of Direct Reduced Iron in Electric Arc Furnaces

CDM - AM0113_Distribution of compact fluorescent lamps (CFL) and light-emitting diode (LED) lamps to households

CDM - AM0114_Shift from electrolytic to catalytic process for recycling of chlorine from hydrogen chloride gas in isocyanate plants

CDM - AM0115_Recovery and utilization of coke oven gas from coke plants for LNG production

CDM - AM0117_Introduction of a new district cooling system

CDM - AM0118_Introduction of low resistivity power transmission line

CDM - AM0120_Energy-efficient refrigerators and air-conditioners

CDM - ACM0002_Grid-connected electricity generation from renewable sources

CDM - ACM0003_Partial substitution of fossil fuels in cement or quicklime manufacture

CDM - ACM0006_Electricity and heat generation from biomass

CDM - ACM0007_Conversion from single cycle to combined cycle power generation

CDM - ACM0009_Fuel switching from coal or petroleum fuel to natural gas

CDM - ACM0011_Fuel switching from coal and/or petroleum fuels to natural gas in existing power plants for electricity generation

CDM - ACM0012_Waste energy recovery

CDM - ACM0013_Construction and operation of new grid connected fossil fuel fired power plants using a less GHG intensive technology

CDM - ACM0015_Emission reductions from raw material switch in clinker production

CDM - ACM0018_Electricity generation from biomass in power-only plants

CDM - ACM0020_Co-firing of biomass residues for heat generation and/or electricity generation in grid connected power plants

CDM - ACM0023_Introduction of an efficiency improvement technology in a boiler

CDM - ACM0025_Construction of a new natural gas power plant

CDM - ACM0026_Fossil fuel based cogeneration for identified recipient facility(ies)

CDM - AMS-I.A._Electricity generation by the user

CDM - AMS-I.B._Mechanical energy for the user with or without electrical energy

CDM - AMS-I.C._Thermal energy production with or without electricity

CDM - AMS-I.D._Grid connected renewable electricity generation

CDM - AMS-I.E._Switch from non-renewable biomass for thermal applications by the user

CDM - AMS-I.F._Renewable electricity generation for captive use and mini-grid

CDM - AMS-I.G._Plant oil production and use for energy generation in stationary applications

CDM - AMS-I.H._Biodiesel production and use for energy generation in stationary applications

CDM - AMS-I.I._Biogas/biomass thermal applications for households/small users

CDM - AMS-I.J._Solar water heating systems (SWH)

CDM - AMS-I.K._Solar cookers for households

CDM - AMS-I.L._Electrification of rural communities using renewable energy

CDM - AMS-II.A._Supply side energy efficiency improvements - transmission and distribution

CDM - AMS-II.B._Supply side energy efficiency improvements - generation

CDM - AMS-II.C._Demand-side energy efficiency activities for specific technologies

CDM - AMS-II.D._Energy efficiency and fuel switching measures for industrial facilities

CDM - AMS-II.E._Energy efficiency and fuel switching measures for buildings

CDM - AMS-II.F._Energy efficiency and fuel switching measures for agricultural facilities and activities

CDM - AMS-II.G._Energy efficiency measures in thermal applications of non-renewable biomass

CDM - AMS-II.H._Energy efficiency measures through centralization of utility provisions of an industrial facility

CDM - AMS-II.I._Efficient utilization of waste energy in industrial facilities

CDM - AMS-II.J._Demand-side activities for efficient lighting technologies

CDM - AMS-II.K._Installation of co-generation or tri-generation systems supplying energy to commercial building

CDM - AMS-II.L._Demand-side activities for efficient outdoor and street lighting technologies

CDM - AMS-II.M._Demand-side energy efficiency activities for installation of low-flow hot water savings devices

CDM - AMS-II.N._Demand-side energy efficiency activities for installation of energy efficient lighting and/or controls in buildings

CDM - AMS-II.O._Dissemination of energy efficient household appliances

CDM - AMS-II.P._Energy efficient pump-set for agriculture use

CDM - AMS-II.Q._Energy efficiency and/or energy supply projects in commercial buildings

CDM - AMS-II.R._Energy efficiency space heating measures for residential buildings

CDM - AMS-II.S._Energy efficiency in motor systems

CDM - AMS-II.T._Emission reduction through reactive power compensation in power distribution network

CDM - AMS-III.B._Switching fossil fuels

CDM - AMS-III.J._Avoidance of fossil fuel combustion for carbon dioxide production to be used as raw material for industrial processes

CDM - AMS-III.M._Reduction in consumption of electricity by recovering soda from paper manufacturing process

CDM - AMS-III.O._Hydrogen production using methane extracted from biogas

CDM - AMS-III.P._Recovery and utilization of waste gas in refinery facilities

CDM - AMS-III.Q._Waste energy recovery

CDM - AMS-III.R._Methane recovery from livestock and manure management at households and small farms

CDM - AMS-III.V._Decrease of coke consumption in blast furnace by installing dust/sludge recycling system in steel works

CDM - AMS-III.X._Energy Efficiency and HFC-134a Recovery in Residential Refrigerators

CDM - AMS-III.Z._Fuel Switch, process improvement and energy efficiency in brick manufacture

CDM - AMS-III.AC._Electricity and/or heat generation using fuel cell

CDM - AMS-III.AD._Emission reductions in hydraulic lime production

CDM - AMS-III.AE._Energy efficiency and renewable energy measures in new residential buildings

CDM - AMS-III.AG._Switching from high carbon intensive grid electricity to low carbon intensive fossil fuel

CDM - AMS-III.AH._Shift from high carbon-intensive fuel mix ratio to low carbon-intensive fuel mix ratio

CDM - AMS-III.AL._Conversion from single cycle to combined cycle power generation

CDM - AMS-III.AM._Fossil fuel switch in a cogeneration/trigeneration system

CDM - AMS-III.AN._Fossil fuel switch in existing manufacturing industries

CDM - AMS-III.AR._Substituting fossil fuel based lighting with LED/CFL lighting systems

CDM - AMS-III.AS._Switch from fossil fuel to biomass in existing manufacturing facilities for non-energy applications

CDM - AMS-III.AV._Low greenhouse gas emitting safe drinking water production systems

CDM - AMS-III.AW._Electrification of rural communities by grid extension

CDM - AMS-III.BB._Electrification of communities through grid extension or construction of new mini-grids

CDM - AMS-III.BD._GHG emission reduction due to supply of molten metal instead of ingots for aluminium castings

CDM - AMS-III.BG._Emission reduction through sustainable charcoal production and consumption

CDM - AMS-III.BI._Flare gas recovery in gas treating facilities

CDM - AMS-III.BL._Integrated methodology for electrification of communities

CDM - AM0123_Renewable energy generation for captive use

CDM - AM0124_Hydrogen production from electrolysis of water

Updates regarding CDM:

BioCarbon periodically reviews and monitors potential changes in the CDM contents. In the present version non, updates are referred.

Expected next review and update:

Second semester 2024 (August- September) unless otherwise emerging development and required updates need to be communicated priorly.

For further information and clarification, you can always take a look on the set of conditions and requirements established in the BCRStandard[1]. Don't hesitate to contact us for further information: methodologies@biocarbonstandard.com

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[1] BCR Standard: https://biocarbonstandard.com/wp-content/uploads/BCR_Standard.pdf