

REPORT OF THE FIFTY-SECOND MEETING OF THE METHODOLOGIES PANEL

Haus Carstanjen, UNFCCC Headquarters, Bonn, Germany

3–7 October 2011

RECOMMENDATIONS BY THE METHODOLOGIES PANEL TO THE CDM EXECUTIVE BOARD

A. Opening of the meeting and adoption of the agenda

1. The Chair of the Methodologies Panel (the panel), Mr. Philip Gwage, opened the meeting.
2. The agenda was adopted as proposed.

B. Proposed new methodologies

3. The panel considered the proposed new methodologies listed in the table below, as well as desk reviews and public inputs received, where applicable.
4. The final recommendations, proposed by the panel for consideration by the CDM Executive Board (the Board), are made available on the UNFCCC CDM website at <http://cdm.unfccc.int/goto/MPpropmeth>.
5. In accordance with the procedures for the submission and consideration of a proposed new methodology, project participants may submit to the secretariat, copying the DOE, clarifications to preliminary recommendations. If project participants provide the clarifications within four weeks of receiving the preliminary recommendation, then the Meth Panel will consider the proposed new methodology at its next meeting. If project participants do not provide clarifications related to the preliminary recommendation within a timeframe of three months after the date of the published report of the Meth Panel meeting at which the proposed new methodology received its preliminary recommendation, the submission will be considered withdrawn.
6. The panel agreed on the following recommendations:

Table 1: Proposed new methodologies

Proposed new methodology	Recommendation¹
NM0338: Methodology for GHG emission reductions using advanced electric arc furnace integrated with high-efficiency shaft-type scrap preheater	C
NM0341: Mitigation of methane emissions from charcoal production by recovering and burning carbonization gases	Work in progress (see paragraph 7(a))
NM0344: Introduction of a New Natural Gas Based Gas Turbine Cogeneration in Existing CHP Facilities Connected to the Electricity Grid	A (see annex 1)

¹ Recommendations on the proposed new methodologies from the panel A (recommended for approval) and C (recommended for non-approval) are final recommendations to the Board. Preliminary recommendations are technical clarifications requested by the panel from project participants before finalizing its recommendation to the Board.

Proposed new methodology	Recommendation¹
NM0345: Methodology for conversion of a Combined Cycle Power Plant to an Integrated Solar Combined Cycle (ISCC)	A (see annex 2)
NM0350: Improving Energy Efficiency in Data Centers through Dynamic Power Management	Work in progress (see paragraph 7(b))
NM0351: High Speed Passenger Rail Systems	Preliminary recommendation

7. The panel requested the Board to take note that it could not conclude its consideration of the following proposed new methodologies:

- (a) NM0341 “Mitigation of methane emissions from charcoal production by recovering and burning carbonization gases”, as additional information is required from the project participants to resolve issues concerning the determination of the destruction efficiency of the burner; and
- (b) NM0350 “Improving Energy Efficiency in Data Centers through Dynamic Power Management”, as further work is needed on issues concerning:
 - (i) The approach to be followed for the demonstration of additionality; and
 - (ii) The addition of new servers in the data centre.

C. Development of new methodologies and tools

8. Top-down development of a draft tool on upstream emissions from fossil fuels

In response to the task of developing top-down methodologies and tools, as contained in the 2011 workplan of the panel, the panel requested the Board to take note that it has continued its work to develop a draft tool to determine upstream emissions from fossil fuels. The panel intends to continue its work on the tool at a future meeting.

9. Top-down development of a draft tool to determine project emissions from anaerobic digesters

In response to the task of developing top-down methodologies and tools, as contained in the 2011 workplan of the panel, the panel requested the Board to take note that it has continued its work to develop a draft tool to determine project emissions from anaerobic digesters. The panel intends to finalize a draft at its next meeting, with the view to using it for launching a call for public inputs.

D. Revisions of approved methodologies and tools

10. The panel requested the Board to consider the following responses to requests for revision related to the application of approved baseline and monitoring methodologies and methodological tools. The requests submitted and the responses provided by the panel are made publicly available on the UNFCCC CDM website at
<<http://cdm.unfccc.int/methodologies/PAmethodologies/revisions>> and
<<http://cdm.unfccc.int/methodologies/PAmethodologies/tools-revisions>>.

Table 2: Requests for revision

Number of the request for revision	Approved methodology or tool	Title of the request for revision	MP response
AM_REV_0213	ACM0005	Consolidated Baseline Methodology for Increasing the Blend in Cement Production	To revise (see paragraph 18)
AM_REV_0217	AM0009	Partial utilization of the recovered associated gas and/or gas-lift gas as one of the possible baseline scenarios	To revise (see paragraph 12)
AM_REV_0218	AM0009	Inclusion of prior processing with mobile facilities and transport CNG to gas pipeline in AM0009	To revise (see paragraph 12)
AM_REV_0219	AM0009	Revision of AM0009 to expand its applicability to project activities which recovered gas is first compressed to CNG (Compressed Natural Gas), then transported via trailers or carriers, and later decompressed and gasified again, before it finally enters the gas pipelines to end-users	To revise (see paragraph 12)
AM_REV_0221	ACM0001	Revised ACM0001 ver12	Work in progress (see paragraph 16)
AM_REV_0222	AM0009	Expand applicability of AM0009 V4 with new scenario	Not to revise
AM_REV_0223	AM0074	Revision of baseline methodology procedure in order to broaden the methodology's scope and applicability	Work in progress (see paragraph 15)

11. AM0001 "Incineration of HFC 23 Waste Streams"

In response to the request contained in paragraph 85 of the report of the sixty-third meeting of the Board, the panel requested the Board to take note that the panel initiated the analysis of the proposed approach. The panel will finalize the analysis and prepare a draft revision of the methodology at its next meeting.

12. AM0009 "Recovery and utilization of gas from oil wells that would otherwise be flared or vented"

In response to the requests for revision AM_REV_0217, AM_REV_0218 and AM_REV_0219, the panel recommended the Board to approve a revision of the approved methodology AM0009. The draft revision expands the applicability of the methodology to situations where:

- (a) The associated gas and/or gas-lift gas is partially recovered and utilized on-site before the implementation of the project activity;

- (b) Pre-treatment is done by movable or stationary equipments; and
- (c) Recovered gas is first compressed to Compressed Natural Gas (CNG), then transported via trailers or carriers, and later decompressed and gasified before it finally enters the gas pipelines to end-users.

The revision further:

- (d) Provides definitions of CNG and gas pipeline;
- (e) Includes leakage emissions due to the use of fossil fuels and/or electricity due to the compression, transportation and decompression of CNG; and
- (f) Updates the schematic illustration of the baseline and the project activity to reflect the above changes.

The draft revised methodology is contained in annex 3.

13. AM0030 “PFC emission reductions from anode effect mitigation at primary aluminium smelting facilities”

In response to the task of improving approved methodologies and tools, as contained in the 2011 workplan of the panel, the panel requested the Board to take note that it has continued its work to improve the approved methodology AM0030. The panel intends to continue its work on the methodology at a future meeting.

14. AM0031 “Baseline methodology for bus rapid transit projects”

In response to the task of improving approved methodologies and tools, as contained in the 2011 workplan of the panel, the panel requested the Board to take note that it prepared a draft revision of the approved methodology AM0031. The draft revision:

- (a) Introduces an innovative approach to additionality demonstration;
- (b) Limits the crediting period to 10 years;
- (c) Reduces the monitoring requirements;
- (d) Removes applicability conditions, including one on local regulations and one on the existence of public transportation prior to the implementation of the project activity;
- (e) Removes the option to determine baseline emissions using sectoral data (Path B);
- (f) Removes the requirements to analyse policy effects on emission reductions and to conduct a sensitivity analysis;
- (g) Improves the provisions on measurement of specific fuel consumption;
- (h) Removes the requirement to account for CH₄ and N₂O emissions for gasoline and diesel;
- (i) Makes references to relevant standards and tools;
- (j) Improves the language, readability and clarity.

Furthermore, in accordance with paragraph 21(a) of the “Procedure for the submission and consideration of requests for revisions of approved baseline and monitoring methodologies and tools for large scale CDM projects”, the Chair of the panel launched a call for public inputs on the draft revised methodology AM0031, starting on 14 October 2011. The call will be open for 10 calendar days. The draft revised methodology is contained in annex 4.

15. AM0074 “Methodology for new grid connected power plants using permeate gas previously flared and/or vented”

In response to the request for revision AM_REV_0223, the panel requested the Board to take note that the panel could not conclude its consideration of the case as the panel has identified several issues related to the consistency of this methodology with other approved methodologies that need to be addressed in a revision of this methodology. The panel will continue the consideration of the case at its next meeting.

16. ACM0001 “Consolidated baseline and monitoring methodology for landfill gas project activities”

In response to the request for revision AM_REV_0221 and the task of improving approved methodologies and tools, as contained in the 2011 workplan of the panel, the panel requested the Board to take note that it prepared a draft revision of the approved methodology ACM0001. The draft revision:

- (a) Clarifies that the methodology is applicable to new and existing landfills;
- (b) Broadens the applicability by allowing the use of landfill gas in brick kilns and by allowing the claim of certified emission reductions associated with fossil fuel displaced by landfill gas fed into a natural gas network;
- (c) Revises the applicability conditions, requiring that:
 - (i) If an existing landfill gas collection system was in place prior to the implementation of the project activity, then historical information on the amount of landfill gas collected is required and the collected gas should only have been vented or flared but not used; and
 - (ii) The implementation of the project activity does not reduce the amount of organic waste that would be recycled in the absence of the project activity;
- (d) Incorporates:
 - (i) The effect of methane oxidation in the top layer of the solid waste disposal site in the baseline scenario; and
 - (ii) The effect of additional air suctioned into the solid waste disposal site after the implementation of the project activity.
- (e) Refers to relevant tools.

Furthermore, in accordance with paragraph 21(a) of the “Procedure for the submission and consideration of requests for revisions of approved baseline and monitoring methodologies and tools for large scale CDM projects”, the Chair of the panel launched a call for public inputs on the draft revised methodology ACM0001, starting on 14 October 2011. The call will be open for 10 calendar days. The draft revised methodology is contained in annex 5.

17. ACM0002 “Consolidated baseline methodology for grid-connected electricity generation from renewable sources”

The panel requested the Board to take note that it agreed to initiate work on a revision of the approved consolidated methodology ACM0002, with the aim of providing conditions on the applicability of the methodology to new projects requiring construction of multiple reservoirs or an increase of the area of existing multiple reservoirs.

18. ACM0005 “Consolidated Baseline Methodology for Increasing the Blend in Cement Production”

In response to the request for revision AM_REV_0213, the panel recommended the Board to approve a revision of the approved consolidated methodology ACM0005. The draft revision:

- (a) Provides an approach to determine the data to calculate baseline emissions for Greenfield cement plants;
- (b) Clarifies that the methodology is not applicable to situations where cement blending is common at the construction site;
- (c) Provides an approach to determine the blending benchmark, taking into account the imported cement; and
- (d) Improves the readability, consistency and simplicity of the methodology.

The draft revised methodology is contained in annex 6.

19. ACM0013 “Consolidated baseline and monitoring methodology for new grid connected fossil fuel fired power plants using a less GHG intensive technology”

In response to the request contained in paragraph 19 of the report of the sixty-second meeting of the Board, the panel requested the Board to take note that the panel was not able to conclude its thorough analysis on the issues related to the approved methodology ACM0013 due to the pending finalization of a consultancy report. The panel intends to finalize its analysis and the report at its next meeting to be considered by the Board at its sixty-fifth meeting. Based on the results of the preliminary analysis conducted by the panel, the panel also agreed to initiate a revision of the methodology.

20. ACM0016 “Baseline Methodology for Mass Rapid Transit Projects”

In response to the task of improving approved methodologies and tools, as contained in the 2011 workplan of the panel, the panel requested the Board to take note that it has continued its work to improve the approved methodology ACM0016. The panel considered the public inputs received in response to the call launched by the Chair of the panel and, due to the need for further analysis, intends to finalize its work on the methodology at its next meeting.

21. “Tool to determine methane emissions avoided from disposal of waste at a solid waste disposal site”

In response to the task of improving approved methodologies and tools, as contained in the 2011 workplan of the panel, the panel requested the Board to approve a revision of the tool. The draft revision, inter alia:

- (a) Improves the usability of the tool by providing:
 - (i) A monthly estimation model;
 - (ii) A definitions section; and
 - (iii) Clarity on the monitoring requirements.
- (b) Updates the estimation of the oxidation factor, the model correction factor, the fraction of degradable organic carbon (DOC_f), and the methane correction factor; and
- (c) Expands the applicability of the tool to:
 - (i) Stockpiles; and
 - (ii) The calculation of project and leakage emissions;

- (d) Changes the title of the tool to “Emissions from solid waste disposal sites”.

A draft revision of the tool was prepared at the fifty-first meeting of the panel. Subsequently, the Chair of the panel launched a call for public inputs on the draft. The inputs were considered by the panel in finalizing the revision of the tool. The draft revised tool is contained in annex 7.

22. Use of the “Tool for project and leakage emissions from road transportation of freight” in approved methodologies

In response to the request contained in paragraph 82 of the report of the sixty-third meeting of the Board, the panel requested the Board to take note that the panel will revise the relevant methodologies to apply the approved tool.

E. Clarifications to approved methodologies and tools

23. The panel requested the Board to take note of the following responses to requests for clarification related to the application of approved baseline and monitoring methodologies and methodological tools. The requests submitted and the responses provided by the panel are made publicly available on the UNFCCC CDM website at <http://cdm.unfccc.int/methodologies/PAMethodologies/clarifications> and <http://cdm.unfccc.int/methodologies/PAMethodologies/tools-clarifications>. If requests for clarification resulted in a recommendation by the panel to revise an approved methodology or approved tool they are reflected in section D.

Table 3: Requests for clarification

Number of the request for clarification	Approved methodology or tool	Title of the request for clarification	MP response
AM_CLA_0216	ACM0012	Application of ACM0012 to PoA	Clarified
AM_CLA_0217	ACM0002	Hydropower addition to a multipurpose reservoir	Clarified (fast-track)
AM_CLA_0218	AM0024	Clarification on measurement technique in place for measurement of clinker production in a cement manufacturing plant and its compliance to the applied monitoring methodology	Clarified
AM_CLA_0219	ACM0012	Questions on the application of the ‘Clarification on the approved consolidated methodology ACM0012 version 03.2 regarding CDM project activities that recover waste energy in greenfield facilities’ (EB 61, Annex 5)	Clarified
AM_CLA_0220	AM0035	Clarification about the revision of AM0035 regarding recovery rate improvement of SF ₆	Clarified (fast-track)

F. Schedule of meetings and rounds of submissions

24. The panel confirmed that the date for its fifty-third meeting is 31 October to 4 November 2011, as per annex 16 of the report of the sixty-second meeting of the Board.

25. Following the guidance contained in paragraph 5 of the “Procedure for the submission and consideration of a proposed new baseline and monitoring methodology for large scale CDM project activities”, the panel considers proposed new methodologies submitted by a deadline at a subsequent meeting conditional to priorities set by the Board and by the Chair of the panel.

26. Project participants may note that the deadline for the 43rd round of submissions of proposed new methodologies to be considered at the fifty-third meeting of the panel to be held on 31 October to 4 November 2011 was 5 September 2011, and the deadline for the 44th round of submissions of proposed new methodologies to be considered at the fifty-fourth meeting, for which the date is yet to be scheduled, is 14 November 2011 24:00 GMT.

27. The panel also informed project participants that the deadline for the submission of requests for revision and clarification to be considered at the fifty-third meeting was 19 September 2011, and the deadlines for the submission of requests for revision and clarification to be considered at the fifty-fourth meeting are 14 November 2011 24:00 GMT and 5 December 2011 24:00 GMT, respectively.

G. Desk Reviews

28. The panel noted the satisfactory completion of the desk reviews undertaken for the proposed new methodologies.

Annexes to the external report of the fifty-second meeting of the Methodologies Panel

- Annex 1: Draft reformatted baseline and monitoring methodology based on NM0344;
- Annex 2: Draft reformatted baseline and monitoring methodology based on NM0345;
- Annex 3: Draft revision of AM0009 “Recovery and utilization of gas from oil wells that would otherwise be flared or vented”;
- Annex 4: Draft revision of AM0031 “Baseline methodology for bus rapid transit projects”;
- Annex 5: Draft revision of ACM0001 “Consolidated baseline and monitoring methodology for landfill gas project activities”;
- Annex 6: Draft revision of ACM0005 “Consolidated baseline methodology for increasing the blend in cement production”;
- Annex 7: Draft revision of the “Tool to determine methane emissions avoided from disposal of waste at a solid waste disposal site”.

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