

	CDM: Response form for Request for revision of approved methodologies (version 01.1)
Date of Meth Panel meeting:	22 - 26 June 2009
Title and number of Request for revision	Revision of methodology to include the use of waste bagasse to generate electricity. Amendments include clarification of the applicability conditions and addition of a project activity and baseline scenario AM_REV_0146
Summary of the query: Please use the space below to summarize the request for revision on the related approved methodologies.	
<p>ACM0006 “Consolidated methodology for electricity generation from biomass residues” is applicable to electricity generation project activities (cogeneration or not) using biomass residues, including greenfield power plants, power capacity expansion projects, energy efficiency improvement projects and fuel switch projects.</p> <p>The request seeks to expand the methodology applicability by the inclusion of a new scenario involving a partial or complete fuel switch from fossil fuels to biomass residues at an existing power plant (including cogeneration) at the project site. Prior to the implementation of the project activity, only fossil fuels have been used in the existing plant. The biomass residues would have been used for non-energy purposes, e.g. as fertilizer or as feedstock in processes, in the baseline scenario. The power and, in case of cogeneration, the heat generated by the project plant would in the absence of the project activity be generated in the same plant, using only fossil fuels.</p> <p>Although ACM0006, is applicable to fuel switching by using scenario 15, this scenario is not applicable if the biomass residues would have been used for non-energy purposes in the baseline scenario. This is the only difference between this proposed new scenario and the existing scenario 15. In fact, ACM0006 is not applicable, in any case, if the biomass residues would have been used for non-energy purposes in the baseline scenario. Project proponents highlight that this baseline scenario is accepted in AM0036, and thus should also be accepted in ACM0006 if adequate revisions are implemented.</p> <p>A summary description of the underlying project activity, which is implemented at an existing brewery, is provided below:</p> <p><u>Existing scenario (prior to the implementation of the project activity):</u> Heat and electricity are required in the brewing process. Currently, heat is produced in boilers using mainly fuel oil. Some biogas, produced from the anaerobic process at the facility wastewater treatment plant, is co-fired in the boiler, generating approximately 2% of the heat required by the plant. Part of the heat is sent to the brewing process for indirect heating, and the remaining heat is sent to turbo-generators for the production of electricity. A by-product of the brewing process is malt bagasse, a biomass residue with high humidity content which is currently commercialized as cattle feed.</p> <p><u>Project scenario:</u> The project activity is to use malt bagasse as an alternative fuel in the main boiler of the brewery. To that purpose, the boiler will be retrofitted to support the co-firing of the malt bagasse, along with fuel oil and biogas. As a consequence, the use of fuel oil, and corresponding emissions, will be reduced. Some additional equipment will be required together with the retrofitting: drying equipment, to ensure the malt bagasse complies with the quality parameters, and an ash-evacuation line, to handle the larger amounts of ash generated by the bagasse burned.</p> <p><u>Baseline scenario:</u> the baseline scenario is identified as being the continuation of the existing scenario.</p>	

Recommendation by the Meth Panel:

(a) Please use the space below to provide amendments /changes (in your expert view, if necessary).

Not applicable.

(b) Please use the space below for providing guidance, as per Para 93 of EB25 Report, on what type of projects need to revise the PDD as a consequence of the suggested revision, if the recommendation is to revise the methodology.

Not applicable.

Answer to authors of the request for revision by the Meth Panel :

Please use the space below to provide an answer to the authors of the above query

The recommendation is not to approve the request for revision. The following corrections in the proposed revision are needed:

- Instead of creating a new scenario, the Meth Panel recommends that scenario 15 be amended by the inclusion of option B8 as an applicable baseline scenario for the biomass residues;
- Issues such as use of biomass residues in the existing equipment and the effects of the retrofit of existing equipment in installed capacity and efficiency should be addressed in the revision;
- The treatment of electricity consumption in the equipment which is installed as part of the project activity (e.g. drying equipment and ash-evacuation line) should also be adequately considered when calculating the parameter $EG_{project\ plant,y}$.
- The calculation of the parameter $EF_{electricity,y}$ should be corrected for the fact that biomass residues are co-fired in the baseline.
- The procedure for leakage determination should be amended in line with AM0036. Therefore, the approach L4 contained in AM0036 should be adapted to be used for the baseline option B8.
- Furthermore, provisions have to be included in the leakage emissions procedure in order to ensure that the type of biomass residues which are abundantly available in the region (as per the criteria defined in the procedure) is suitable to be used as cattle feed.



Signature of Meth Panel Chair

Date: 26/06/2009

(Philip Gwage)



Signature of Meth Panel Vice-Chair

Date: 26/06/2009

(Pedro Martins Barata)

Information to be completed by the secretariat

F-CDM-AM	AM_REV_0146
Name of the authors of the query:	TUEV-NORD
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