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|  | CDM: Response form for Request for revision of approved methodologies (version 01.1) |
| Date of Meth Panel meeting: | 19 - 23 October 2009 |
| Title and number of Request for revision | Expansion of ACM0006 to include a new scenario AM_REV_0167 |
| 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 for revision seeks to expand the applicability of the methodology by adding a new scenario whereby the project activity involves the installation of a biomass residue fired (cogeneration) power plant at a site where power/heat was generated prior to the implementation of the project activity, but the operation of the existing power/heat generation was constrained by regional/national regulations.</p> <p>After the implementation of the project activity, the existing plant(s) either (a) continue to operate next to the new power plant (e.g. as back-up plant) or (b) could continue to be operated (i.e. the plant(s) are fully operational and have a remaining technical lifetime) but are retired due to the installation of the new biomass residue fired power plant. Existing equipments from previous power plant (e.g. turbines, generator, etc.) may be deconstructed or reused partly for project purposes.</p> <p>The power generated by the project plant substitutes power that is produced either in the grid a/o by the reference power plant. In case of cogeneration plants, the heat generated by the project activity substitutes heat that is provided either by public / third party heating systems or by reference plant. The biomass residues would in the absence of the project activity be dumped or left to decay or burnt in an uncontrolled manner without utilizing it for energy purposes.</p> <p>The underlying project activity related to this request is summarized as follows:</p> <p><u>Pre-project scenario:</u> Before the proposed project, three coal-based cogeneration units operated at the project site. Part of the heat was supplied directly to specific industrial consumers, and part was delivered to a district heating company. The electricity generated was supplied to the grid. Due to a new regulation concerning the strict prohibition of the construction of thermal power units with a capacity of 135MW or below, those existing cogeneration units needed to be shut down.</p> <p><u>Project activity:</u> The project activity involves the shutdown of one of the existing turbo-generators, built in 1988, and one coal fired boiler, since they reached the end of their lifetime. Together with another existing turbine, two new biomass residues fired boilers and one new turbo-generator are built. Some of the old equipment (coal fired boilers and turbo-generators) are used as back-up. The biomass residues used in the project are straws (maize and wheat) that are available in the project region and would be dumped or left to decay but not used for energy purposes.</p> | |

Baseline scenario: In the absence of the proposed project, the electricity would have been produced by the grid, the heat would have been supplied to the district heating company, and the biomass residues would have been dumped or left to decay.

This request for revision presents similarities with AM_REV_0166, AM_REV_0165 and AM_REV_0154/AM_CLA_0134.

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 Meth Panel recommends that the request for revision should not be approved owing to the following reasons:

- In the description of scenario 23, it is stated that: the existing power/heat generation at the project site is constrained by regional/national regulations. The same description however states that: after the implementation of the project activity, the existing power plants either (a) continue to operate next to the new power plant (e.g. as back-up plant) or (b) could continue to be operated (i.e. the plant(s) are fully operational and have a remaining technical lifetime) but are retired due to the installation of the new biomass residue fired power plant. Those two statements seem to be contradictory because if the existing plant faces operational constraints of legal nature, then it cannot continue to operate. It is not clear what sort of constraints imposed by regional/national regulations is in place, since the existing power plant can continue to operate. This should be clarified.
- In addition to the above, the request also mentions a “reference power plant” in the calculation of $EF_{\text{electricity},y}$. The relation between that reference power plant and the situation described in scenario 23 is not clear. What is the intent of the inclusion of a reference power plant in the calculation of $EF_{\text{electricity},y}$ if the description of scenario 23 does not include a reference power plant in the baseline scenario. Rather it refers to an existing power plant facing operational constraints of legal nature. Project participants are requested to carefully re-draft their proposal in order to clarify this situation.
- The proposed revision includes two different procedures to determine $EF_{\text{electricity},y}$ in case of scenario 23, without explaining clearly when each one of them should be used. This should be clarified.
- The PDD states that the boilers erected in 1998 (newer boilers) will no longer operate for they reached the end of their technical life time, whereas the boilers erected in 1988 (older boilers) will be used as back up. This requires further clarification.



Signature of Meth Panel Chair

Date: 23/10/2009

(Philip Gwage)



Signature of Meth Panel Vice-Chair

Date: 23/10/2009

(Pedro Martins Barata)

Information to be completed by the secretariat

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| F-CDM-AM | AM_REV_0167 |
| Name of the authors of the query: | TUEV-SUED |
| Date when the form was received at UNFCCC secretariat | 23 October 2009 |
| Date of transmission to the EB | 23 October 2009 |
| Date of posting in the UNFCCC CDM web site | 23 October 2009 |