



CDM: Response form for Request for revision of approved methodologies (version 01.1)

<i>Date of Meth Panel meeting:</i>	12 - 16 November 2007
<i>Title and number of Request for revision</i>	ACM0006 version 6. Propose a new scenario (scenario 21) for a project with a new biomass residue fired cogeneration plant that provides electricity and heat to the users at the project site. AM_REV_0065
<u>Summary of the query:</u>	
Please use the space below to summarize the request for revision on the related approved methodologies.	
<p>This request for revision aims at adding a new scenario (scenario 21) that accommodates a project that installs a new single- or co-fired cogeneration plant where the baseline is also single- or co-fired cogeneration. None of the existing scenarios in the current approved methodology caters for the aforementioned scenario.</p> <p>As a result of a significant expansion of the paper mill facility (which will double the current levels of energy requirements), the proposed project activity involves the installation and operation of two new high-pressure boilers (i.e. 65 and 130 TPH) that will be connected to a new 31.2MW steam turbine-generator for cogeneration. The power plant is expected to utilize over 300,000 tonnes of biomass residues, which are by-products generated from the production processes of the in-house mills, as primary fuel and co-fired with approximately 185,000 tonnes of coal. The cogeneration plant will produce both heat and steam for the pulp and paper mills. The generated electricity and heat will be solely supplied to the mills for captive consumption, without exporting it to a local grid or other users.</p>	
<u>Recommendation by the Meth Panel:</u>	
(a) Please use the space below to provide amendments /changes (in your expert view, if necessary).	
<p>The way the request for revision has been presented is not fully clear and holds some inconsistencies:</p> <p>1. Differentiation between what is the baseline and the project scenario:</p> <p>The propose scenario 21 reads: “<i>The project activity involves the installation of a new single- or co-fired cogeneration plant ... In the absence of the project activity, a new single- or co-fired cogeneration plant (in the following referred to as ‘reference plant’) with same rated power capacity as the project plant would be installed instead of the project plant</i>”. Although similar situations may be found in ACM0006, for example in scenarios 4, 13 and 18 where the concept of the “reference plant” is also applied, these descriptions make a clear distinction between the project plant and the reference plant by saying that the latter has a lower efficiency. This ambiguity, contained in the request for revision, is also evidenced in two elements of the PDD:</p> <ul style="list-style-type: none"> • The new alternative P10 is selected as the only choice for generation of power, yet this alternative P10 for the baseline resembles what is the project activity about. In their justification to select P10, the project proponents actually outlined a brief barrier analysis that complement what has been presented in the demonstration of additionality. The investment barriers analysis, in the additionality section, expresses that saving fossil fuels is insignificant compare to the initial investment costs, however it does not consider that the project is driven by expansion of production in the paper mill facility. • The definition of $\epsilon_{el,reference\ plant}$ says “<i>the reference power plant that would use the biomass residues fired in the project plant in the absence of the project activity</i>”. 	

Similarly, the information in the draft AM is not consistent regarding whether emission reductions are claimed from (a) using more biomass residues in the project than in the baseline and/or (b) constructing a more efficient plant in the project situation than in the baseline situation. This should be clarified in the description of the scenario and reflected in a consistent manner in the calculation of emission reductions.

2. The calculation of EG_y in equations (19) and (20) is not very clear:

- It is not clear why the calculation differs for different *thermal* efficiencies in the project plant and the reference plant.
- In equation (19) the terms $\Sigma BF_{k,y} \times NCV_k$ and $\Sigma BF_{ref,k,y} \times NCV_k$ is one time added and one time subtracted, so that they are basically not taken into account in the equation. The equation could be simplified respectively if this is intended.
- $FF_{ref,i,y}$ is the key parameter which determines emission reductions. The monitoring section only indicates how this parameter should be calculated. Please provide the respective equations in the baseline scenario procedure, as the parameter cannot be directly monitored but needs to be calculated.

(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.

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

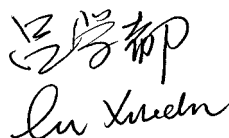
Not to revise ACM0006 on the basis of this request for revision. See above.



Signature of Meth Panel Chair

Date: 16/11/2007

(Akihiro Kuroki)



Signature of Meth Panel Vice-Chair

Date: 16/11/2007

(Xuedu Lu)

Information to be completed by the secretariat

F-CDM-AM	AM_REV_0065
Name of the authors of the query:	KEMCO
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