



CDM: Recommendation Form for Small Scale Methodologies (version 01)

(To be used for presenting questions/proposals/amendments to the simplified methodologies for small-scale CDM project activity categories)

Date of SSC WG meeting:	24–27 February 2009, SSC WG 19
Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):	Revision of AMS-II.B to include energy efficiency measures in the natural gas supply system of the combined cycle gas turbines
Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.	AMS-II.B version 09
Name of the authors of the query:	Mariela Beljansky Institution: (on behalf of) AES ALICURA S.A. mbeljansky@eco-energia.com.ar

Summary of the query:

Please use the space below to summarize the query related to SSC methodologies/categories SSC Modalities and Procedures provide recommendation/analysis of the SSC WG.

Original text from PP:

The request is a follow up of the request of clarification SSC 234. The SSCWG clarified that the methodology AMS II B can't be applied to our project activity (related to switching off auxiliary equipment during normal operation) as no guidance has been included on how to estimate the emission factor in case the energy savings result in the displacement of grid electricity.

The project consists in the complete redesign of the natural gas supply system for the combined cycle. This will enable to feed AES Paraná with a significantly higher ($\approx 60\%$) pressure than the current one. The project involves the modification of the gas pipeline which provides the plant with natural gas from the national transport system. The pressure increase will be achieved by modifying certain passive mechanisms which currently reduce the pressure of natural gas, and by implementing a comprehensive adaptation of the equipment involved so as to ensure that it is fit for the new pressure. Consequently the increase in the inlet pressure will prevent the consumption of electricity associated with the compression of natural gas needed to feed the two gas turbines of the combined cycle.

The pressure in the national transport system depends on the requirements of the demand. So, the reduction of the pressure's mechanisms has been installed in order to fix a certain level of pressure in the AES Plant. It should be noted that in the past, the level of pressure available in the transport system was not enough to feed the gas turbines directly. On top of that the level of pressure was highly variable. Therefore it was necessary to install passive mechanisms to decrease the pressure to a stabilized level, and then to use compressors to increase the pressure to the level required to feed the gas turbines.

The attached version of the methodology includes changes in the baseline section, in order to provide guidance for the calculation of the emission factor, and in the monitoring section, in order to specify how to determine energy savings, in case they result from the switching off of auxiliary equipment. So as to exemplify the application, some sections of the PDD have also been attached.

Recommendation by the SSC WG:

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

Please refer to paragraph 12 of the meeting report of the SSC WG 19
(http://cdm.unfccc.int/Panels/ssc_wg).

Answer to authors of query by the SSC WG:

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

The small-scale working group (SSC WG) of the CDM Executive Board would like to thank the author for the submission.

The additional information provided by the project proponent (PP) has clarified the underlying project, and the new information provided further enhances the initial view of the SSC WG that the current version of AMS-II.B is not applicable to the project described. The current version of AMS-II.B is applicable to project activities involving efficiency measures implemented in an energy generation facilities that result in fossil fuel savings within the project plant. The project boundary of the underlying project possibly just encompasses the natural gas compressors and the natural gas supply pipeline. The project only impacts the amount of electricity consumed by the compressors and thus any emission reductions would come from electricity savings, with an emissions factor based on the grid or the PP's power plant.

Further, the eligibility of the proposed measures under the CDM will need further analysis and justification, especially with respect to supply of natural gas at higher operating pressure to gas turbine power plants primarily by modifying certain passive mechanisms only.



Signature of SSC WG Chair

(Hugh Sealy)

Date: 27/02/2009



Signature of SSC WG Vice-Chair

(Peer Stiansen)

Date: 27/02/2009

Information to be completed by the secretariat

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