



CDM: Response form for request for clarification on Approved Methodologies (version 01.1)

<i>Date of Meth Panel meeting:</i>	9 - 13 August 2010
<i>Title and number of request for clarification</i>	Conversion of Open Cycle Gas Turbines to Combined Cycle mode at Kallpa Thermoelectric Power Plant AM_CLA_0189

Summary of the query:

Please use the space below to summarize the request for clarification on the related approved methodologies.

Background

The project proponents seek clarification on ACM0007 “Baseline methodology for conversion from single cycle to combined cycle power generation”, Version 3.

To estimate $OG_{X,y}$ (referred to as $EG_{OC,X,y}$ in Version 4) the electricity generation of the open cycle mode in the baseline, ACM0007 requires selection of the more conservative option between: (a) Average net annual generation based on five years of records and; (b) Actual electricity in year y scaled by the generation capacity of the open cycle system and the capacity of the combined cycle system. For Option (a), if five years of data are not available, ACM0007 allows a minimum of three complete years to be used at the time of validation.

In addition, the estimation of the open cycle emission factor in the baseline scenario, EF_{OC} in tCO_2/MWh , requires historical data from the operation of the open cycle system.

Project Activity

This clarification is related to potential CDM project activities in Peru of installing three Heat Recovery Steam Generators (HSRG) and one steam turbine generator to recover the waste heat of three open cycle gas turbines:

- Gas Turbine I (GT-I) operated since July 2007;
- Gas Turbine II (GT-II) operated since June 2009; and
- Gas Turbine III (GT-III) operated since March 2010.

The combined cycle operation is expected to operate from October 2012.

Request

Clarification is sought on the following issues:

1. the historical data requirement for the estimation of $OG_{X,y}$ for GT-III,
2. the historical data requirement for the estimation of EF_{OC} , and
3. one reference to a replaced methodology in the monitoring section of ACM0007.

Recommendation by the Meth Panel:

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

Not applicable.

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

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

In the most recently approved Version 4 of ACM0007 “Consolidated methodology for conversion from single cycle to combined cycle power generation”, the requirements on availability of historical data are formulated as follows:

- (i) At least three full years of historical data from the operation of open cycle system are required for $OG_{x,y}$ (referred to as $EG_{OC,x,y}$ in Version 4) and EF_{OC} in the calculation of the baseline emissions.
- (ii) The data shall be available at the time of validation .

The requirement mentioned in paragraph (i) is a key element of the methodology, and it was included to ensure that the most likely scenario is that the gas turbines will continue operating in open cycle.

In addition, the reference to the replaced methodology in the monitoring section of Version 3 ACM0007 has been removed in Version 4.

Signed by the Chair, Mr. Lex de Jonge

Date: 13/08/2010

Signed by the Vice-Chair, Mr. Philip Gwage

Date: 13/08/2010

Information to be completed by the secretariat

F-CDM-AM	AM_CLA_0189
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