

	CDM: Response form for Request for revision of approved methodologies (version 01.1)
Date of Meth Panel meeting:	7 - 11 March 2011
Title and number of Request for revision	Revision to extend applicability of ACM0007 to integrated Solar Combined Cycle Power Plants AM_REV_0204
Summary of the query: Please use the space below to summarize the request for revision on the related approved methodologies.	
<p>The approved consolidated methodology ACM0007, “Consolidated methodology for conversion from single cycle to combined cycle power generation”, is applicable to project activities that utilize previously unused waste heat from a power plant, with a single-cycle capacity, be it a gas turbine or an internal combustion engine, and utilize the heat to produce steam for a turbine thus making the system combined-cycle.</p> <p>This request for revision intends to expand the applicability of the methodology to project activities that utilize solar energy to supplement the waste heat coming from the single-cycle power plant, in order to produce steam to be used in a steam turbine. The current version of ACM0007 already allows the use of fossil fuels to supplement the waste heat from the single-cycle power plant for steam generation.</p> <p>The specific modifications to the methodology proposed in this request are:</p> <ul style="list-style-type: none"> • <i>Applicability conditions.</i> To make explicit in the applicability conditions that the methodology applies to integrated solar combined cycle (ISCC) power plants; • <i>Baseline identification.</i> To identify baseline alternatives for the fraction of electricity produced by the solar field; • <i>Additionality demonstration.</i> To explicitly mention that the calculation of the project’s financial indicator, for the benchmark investment analysis, should include all expenses and revenues from both components, i.e. electricity and heat; • <i>Project emissions.</i> To account for emissions related to fossil fuels combustion for anti-freezing protection of the heat transfer fluid used in the solar field; and • <i>Leakage emissions.</i> To account for emissions related to the desalination of the water to be used for cleaning the mirrors in the solar field. A tool has been proposed for this calculations. 	
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 this request for revision.

The Meth Panel considers that this request for revision raised a fundamental issue concerning the additionality assessment for the two components in the proposal, i.e. (i) the waste heat from the single-cycle plant, and (ii) the heat from the solar plant, in order to ensure that both of them are additional. The issue may appear in cases where the use of waste heat is not additional (it is viable without the CDM), but the use of solar heat is additional. In this case, due to the magnitude of the investment related to the solar component, the whole project may be deemed as additional whilst only the emission reductions from the solar component are actually additional.

Consequently, the proposal should include provisions to ensure that both components are indeed additional, as emission reductions are to be claimed for the whole project.

The panel also advises to address this type of specific project activities combining two technologies, via a proposed new methodology rather than expanding an existing methodology.

Signed by the Chair, Mr. Philip Gwage

Date: 11/03/2011

Signed by the Vice-Chair, Lex de Jonge

Date: 11/03/2011

Information to be completed by the secretariat

F-CDM-AM	AM_REV_0204
Name of the authors of the query:	TUEV-NORD
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