



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:	21–24 June 2011, SSC WG 32
Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):	Query on using referenced literature values of solar cooker efficiency for emission reductions calculation
Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.	AMS-I.C “Thermal energy production with or without electricity”
Name of the authors of the query:	Ju Ning Institution: Clean Air Capital Ltd ju.ning@cleanaircap.com

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

We have a question regarding paragraph 39 of the AMS-I.C. (ver. 18) which reads as below:

“For household or commercial applications/systems, whose maximum output capacity is less than 45 kW thermal and where it can be demonstrated that the metering of thermal energy output is not plausible, as in the case of biomass stoves, gasifiers, driers, water heaters etc, the project output energy shall be estimated ... ”

What we would like to clarify is *not* the detailed calculation of baseline emission, but just one parameter η_{PJ} that is used in the calculation. According to the table on page 11 of the methodology,

“ η_{PJ} is the Efficiency of the project equipment measured using representative sampling methods or based on referenced literature values. ”

Based on the above two excerpts from the methodology, our understanding is that

for the calculation of baseline emission or emission reduction during monitoring period involving household or commercial applications/systems whose capacity is less than 45kW thermal and where it can be demonstrated that the metering of thermal energy output is not plausible, such as biomass stoves, gasifiers, driers, water heaters etc, the referenced literature values of the equipment efficiency can be used.

We have two requests:

- 1) Please kindly confirm if our understanding above is correct, and
- 2) if the above understanding is correct, can it also be applicable to household solar cookers whose capacity is less than 45kW (because solar cooker is actually one type of water heater which is listed in the methodology)? In other words, our understanding is that **for the emission or emission reduction calculation involving solar cookers whose capacity less than 45kW and where it can be demonstrated that the metering of thermal energy output is not plausible, the referenced literature values of the solar cooker can be used.**

Please kindly clarify if this understanding is correct.

Thank you very much for considering our request and advising us on this matter.

Recommendation by the SSC WG:

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

Please refer to paragraph 18 of the meeting report of the SSC WG 32

<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 of the CDM Executive Board would like to thank the author for the submission.

The SSC WG agreed to clarify that use of literature value (e.g. value from a national standard) is in principle acceptable to determine the efficiency of project equipment. However, the SSC WG would like to point out that the equation given in paragraph 39 of AMS-IC version 18 is only applicable to project

technologies that consume biomass, and the parameter referred to: " η_{PJ} " is the efficiency of a project technology that consumes biomass, and therefore neither the equation nor this parameter, as it is used in this equation, are relevant to solar cookers.

The SSC WG would also like to mention that the group is currently working on developing specific procedures for determining emissions reductions for solar cooker projects and/or developing a new methodology specifically for solar cookers, and that the Board has just opened a call for public input (from 3 June to 3 July 2011) on this issue in order to provide input to this ongoing work. The author of the query may wish to provide input to this call, which can be found at

<http://cdm.unfccc.int/public_inputs/index.html>.

Signed by the Chair, Ms. Fatou Gaye

Date: 24/06/2011

Signed by the Vice-Chair, Mr. Peer Stiansen

Date: 24/06/2011

Information to be completed by the secretariat

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