



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)

<i>Date of SSC WG meeting:</i>	15–18 March 2011, SSC WG 30
<i>Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):</i>	Revision of AMS-II.C to cover project activities involving installation of water saving devices
<i>Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.</i>	AMC-II.C “Demand-side energy efficiency activities for specific technologies”
<i>Name of the authors of the query:</i>	Daniel E. White / George T. Maher / Fernando Villasana Institution: Investment Technology Resources, Inc. DanWhite@itr-inc.org , GeorgeTMaher@itr-inc.org , f.villasana@southpolecarbon.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 are proposing these revisions in light of the guidance provided by the SSC WG in its January 14 Final Response in SCC_500, the SSC WG’s October 22, 2010, Final Response in SCC_473, and the Board’s November 22, 2010, guidance at EB 58, para. 53).

The EB requested the SSC WG to consider water saving devices under paragraph 2 in light the efficiency and level of service attributes of such devices. In SCC_500, the SSC WG found that a number of changes are required for AMS-II.C. in order for the methodology to properly accommodate the project activity technology.

We have not restated here the various discussions within those prior records. We would be pleased to do so if you deem it appropriate so the full record is in one docket.

Our intent with the proposed revisions is to follow the guidance as to the changes suggested as appropriate for AMS-II.C. so as to properly accommodate the project activity of supplying and installing water saving devices. We particularly focused on the clarifications and modifications identified by the SSC WG in SCC_500.

Additionally, our revisions implement the SSC WG’s Final Response in SCC_401 in which the SSC WG mentioned making language and numbering clarifications when the methodology is next revised. Also, a number of variable definitions were moved consistent with the statement in SCC_401 that variables are defined when they first appear and standard practice is not to repeat definitions.

We recognize that there several ways one could structure the text and equation revisions in the methodology to achieve the purposes. For example, the matter of accounting for water heater efficiency could be addressed in separate equations in the baseline and project emission sections.

The substantive aspects of our changes include the following:

- Concerning Technology/measure –

- 1) Paragraph 2 additions to clarify that for water saving devices
 - a) 'water output' restrictions do not apply and
 - b) 'level of service' concerns comfort and cleaning performance.
- Concerning Baseline –
 - 1) Paragraph 5 additions to
 - a) provide a formula accommodating fossil fuel similar to that for electricity in Paragraph 6,
 - b) account for water heating fossil fuel energy consumption, and
 - c) clarify (methodology wide) that 'power' can mean or reference thermal energy.
 - 2) Paragraph 6 additions to account for
 - a) water heating electricity consumption
 - b) water heater efficiency, and
 - c) changes related to implementing the SSC_401 clarification of project activity hours.
 - 3) Paragraph 7 additions to address free ridership concerns.
- Concerning Project Activity Emissions –
 - 1) Paragraph 8 additions to account for
 - a) water heating electricity consumption,
 - b) water heater efficiency, and
 - c) changes related to implementing the SSC_401 issue of project activity hours.
- Concerning Monitoring –
 - 1) Paragraph 14 additions to account for
 - a) removal or manipulation of devices by consumers and
 - b) monitoring of devices for projects that do not involve direct installation.

Recommendation by the SSC WG:

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

Please refer to paragraph 16 of the meeting report of the SSC WG 30
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 again concurs that in the case of water saving devices that reduce domestic use of hot water heated via fossil fuels or electricity the consideration of level of service may be based on comfort and cleaning service provided by the appliance/equipment as per an applicable standard.

The SSC WG also appreciates the input from the author of the submission with respect to suggested modifications to AMS-II.C. However, the group is of the opinion that the modifications are not sufficient to ensure conservatively and reliably determined emission reductions for the proposed project activity. Specifically, the following areas require further clarification and additional provisions:

1. In paragraph 2, it should be clarified that the specification on service level is applicable only to household water devices used for cleaning or other applications for which the service level may be maintained with a reduction in flow rate. Also, in paragraph 2 (or in other section of the methodology) definition of the applicable standards should be provided that indicate level of service in terms of functional comfort and cleaning performance;
2. Additional applicability conditions are required, most likely to include requirements for direct installation of the water saving devices, the use of integral water devices, and confirmation of the energy source for the heating of water (and that such source is not renewable energy);
3. Additional provisions are required on accounting for number of devices removed and installed (and possible destruction of removed devices);
4. In the monitoring sections of the methodology that requirements are provided for:
 - Determining baseline and project water consumption (e.g. flow rates and baseline and project operating time per year per person, and number of people using such devices) and baseline and project incoming and heated water temperatures. Such monitoring may need to take into consideration demographics of water device users. Such monitoring may include surveys and measurements as well as the use of sampling and/or control groups;
 - Inspections to confirm actual installation of devices, tracking of occupant and water heating system characteristics, and annual (or perhaps biennial) confirmation of continued installation of water saving devices;
 - Determination of the baseline and project water heating system characteristics, such as fuel type and efficiency.

The SSC WG is planning to utilize expert input to prepare an annex to AMS-II.C or a new methodology specifically for domestic water saving devices that will include the points noted above as well as appropriate emission reduction equations for such devices and possibly default factors for annual operating hours and water temperatures for various devices which can be used to determine emission reductions. The SSC WG has also suggested that requirements for such an annex or new methodology may be informed by the requirements of the *Voluntary Gold Standard's Methodology For Large Scale Supply And Distribution of Efficient Light Bulbs, Showerheads, and Other Water Saving Products To Households*.

Signed by the Chair, Ms. Fatou Gaye

Date: 18/03/2011

Signed by the Vice-Chair, Mr. Peer Stiansen

Date: 18/03/2011

Information to be completed by the secretariat

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