

## Agenda item 4.1

### Paragraph 28(b) of the annotated agenda

#### Draft small-scale methodology

AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass

#### **CDM EB 105**

Madrid, Spain, 25 to 28 November 2019



### **AMS-II.G.**

- EB99 – non binding best practice
- EB102 – elaborate requirements to account for stove-stacking (i.e. use of multiple stoves and fuels in the project households)
- EB103 – revision related to the CN

The purpose of the draft revised methodology is to address the mandates above.



# Key issues and proposed solutions

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## **AMS-II.G.**

The proposed revision is to:

- a) Revise the fossil fuel emission factor as per the concept note "Methodological approaches for calculating emissions reductions from project activities, resulting in the reduced use of non-renewable biomass in households";
- b) Clarify monitoring requirements;
- c) Provide non-binding best-practice examples;
- d) Incorporate the clarifications to previous requests (SSC\_746, SSC\_759, SSC\_742, SSC\_733, SSC\_752, SSC\_753, SSC\_743, SSC\_739, SSC\_744, and SSC\_760).



# Key issues and proposed solutions

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## AMS-II.G.

- Include the requirement for PP/CME to describe a method to avoid double counting of ERs such as unique identifications of product and end-user locations (**SSC\_746**);
- Clarify the requirement on the definition of batch (**SSC\_759**)
  - defined as the population of the device of the same type commissioned during a certain period of time (e.g. week or month) in a certain calendar year.
- Provide the guidance for CME/DOE to demonstrate if the stoves can be considered as belonging to same generic stove model (**SSC\_760**);
- Provide further guidance on estimation of the number of utilization hours (**SSC\_742**);
- Allow the use of new ISO standards as an option for testing the efficiency of stoves (**concept note**);
- Elaborate the requirement to provide the information on the age and average lifetime of the equipment (**SSC\_733**);



# Key issues and proposed solutions

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## AMS-II.G. (continued)

- Clarify the conditions under which the values of registered Gold Standard carbon offset projects from the same region may be acceptable. (**SSC\_733**);
- Clarify options for calculation of fNRB values (i.e. ex-ante and ex-post) (**Tool30**);
- Include guidance to account for stove stacking;
- Clarify that PPs/CMEs may conduct only the first two phases of the stove tests: cold-start high-power phase and hot-start high-power phase (not including the simmer phase) for calculation of the high-power thermal efficiency (**SSC\_752**);
- Clarify that the guidance provided in the WBT protocol may be followed for calibration of testing equipment (**SSC\_753**)
- Delete NCV value for charcoal.



# Key issues and proposed solutions

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## AMS-II.G. (continued)

- Include guidance on sample measurement for fuel consumption;
- Clarify the validity of the results of the annual KPT survey (SSC\_743);
- Prohibit the use of the results of ex post usage/monitoring survey to determine the number of project devices distributed per household (SSC\_759);
- Clarify that the use of a net to gross adjustment factor of 0.95 in lieu of conducting a survey should be applied only once, not twice for a CPA (internal feedback);
- Include requirements/guidance related to calculation of fNRB, based on past clarifications (SSC\_739, SSC\_744)



## Specific comments on the annotated agenda

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Paragraph 28 (a) (b): AMS-I.E and AMS-II.G (Also, MP80 Annexes 13 and 14)

- Adjustment factor for non-woody biomass fuels (LPG/electric stoves/kerosene) shall only be applied if the proportion of those fuels/stoves increased in the project scenario compared to the baseline scenario.
  - If the proportion in the project scenario remains the same or is lower than in the baseline scenario, no adjustment is necessary. If proportion of LPG/electric stove/kerosene did not increase in the project scenario compared to the baseline scenario, applying an adjustment factor in the project scenario would result in a double counting since LPG/electric stove/kerosene fuel use is already reflected in a lower resulting baseline woody biomass fuel consumption value.
- The baseline woody biomass fuel consumption value already indirectly takes into account the use of LPG/electric stove/kerosene fuels.

*AMS-II.G, version 11 / AMS-I.E, version 10 need some more clarifications in which scenarios the adjustment factor has to be applied for LPG/electric stoves/kerosene.*



## Impacts

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The proposed revision will facilitate the development of CDM project activities/programme of activities promoting clean and energy efficient cook stoves.





## Recommendation to the Board

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The MP recommends that the Board adopt this draft revised methodology, to be made effective at the time of the Board's approval.

