



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:	11–14 January 2011, SSC WG 29
Title/Subject (give a small title or specify the subject of your submission, maximum 200 characters):	Clarification on historical electricity generation calculation under AMS-I.D
Indicative methodology to which your submission relates (refer the items of Appendix B of the Simplified Modalities and Procedures), if applicable.	AMS-I.D “Grid connected renewable electricity generation”
Name of the authors of the query:	Luísa Guimarães Krettli Institution: MundusCarbo Soluções Ambientais e Projetos de Carbono luisa@munduscarbo.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:

This document aims clarification on $EG_{historical}$ calculation in ASM-I.D (version 16). This clarification relates to small-scale hydro power plants’ retrofits, where the project activities are implemented in existing reservoirs with no change in the reservoirs’ volume.

According to AMS-I.D (version 16), for project activities involving retrofit of hydropower plants, baseline emissions ($BE_{retrofit,CO_2,y}$) are calculated as follows:

$$(1) \quad BE_{retrofit,CO_2,y} = [EG_{BL,retrofit,y}] \cdot EF_{CO_2}$$

Where:

$$(2) \quad EG_{BL,retrofit,y} = EG_{PJ,facility,y} - (EG_{historical} + \sigma_{historical})$$

$$(3) \quad EG_{BL,retrofit,y} = 0 \text{ on / after } DATE_{Baseline Retrofit}$$

$EG_{historical}$ is the annual average historical net electricity generation by the existing renewable energy plant that was operated at the project site prior the implementation of the project activity. According to ASM-I.D, $EG_{historical}$ is the average of historical net electrical energy levels delivered by the existing facility, spanning all data from the most recent available year (or month, week or other time of period) to the time at which the facility was constructed, retrofit, or modified in a manner that significantly affected output (i.e., by 5% or more). A minimum of 5 years (60 months) (excluding abnormal years) of historical generation data is required in the case of hydro facilities.

ACM0002 “Consolidated baseline methodology for grid connected electricity generation from renewable sources” (version 12.0.0, EB 56), as you are aware, is the large-scale counterpart of ASM-I.D. In ACM0002, to determine $EG_{historical}$, project participants may choose between two historical periods. According to the methodology, this allows some flexibility: the use of a longer time period may result in a lower standard deviation ($\sigma_{historical}$) and the use of a shorter period may allow a better reflection of the

(technical) circumstances observed during the more recent years. Project participants may choose among the following two time spans of historical data to determine $EG_{historical}$:

- (a) The five last calendar years prior to the implementation of the project activity; or
- (b) The time period from the calendar year following the $DATE_{hist}$ up to the last calendar year prior to the implementation of the project, as long as the time span includes at least five calendar years, where $DATE_{hist}$ is latest point in time between:
 - I. The commercial commissioning of the plant/unit;
 - II. If applicable: the last capacity addition to the plant/unit; or
 - III. If applicable: the last retrofit of the plant/unit.

Clarification:

Please, clarify if the ASM-I.D allows project participants to choose between the two data vintages described in ACM0002 in order to determine $EG_{historical}$, since this is not clearly mentioned in ASM-I.D.

Recommendation by the SSC WG:

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

Please refer to paragraph 25 of the meeting report of the SSC WG 29
<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 include the following provision of ACM0002 “Consolidated baseline methodology for grid-connected electricity generation from renewable sources” to determine $EG_{historical}$ for the specific case of hydro project activity in a future revision of AMS-I.D.

“Project participants may choose among the following two time spans of historical data to determine $EG_{historical}$:

- (a) The five last calendar years prior to the implementation of the project activity; or
- (b) The time period from the calendar year following $DATE_{hist}$, up to the last calendar year prior to the implementation of the project, as long as this time span includes at least five calendar years, where $DATE_{hist}$ is latest point in time between:
 - (i) The commercial commissioning of the plant/unit;
 - (ii) If applicable: the last capacity addition to the plant/unit; or
 - (iii) If applicable: the last retrofit of the plant/unit.”

Signed by the Chair, Mr. Peer Stiansen

Date: 14/01/2011

Signed by the Vice-Chair, Mr. Hugh Sealy

Date: 14/01/2011

Information to be completed by the secretariat

SSC-Submission number	SSC_483
Date when the form was received at UNFCCC secretariat	14 January 2011
Date of transmission to the EB	14 January 2011
Date of posting in the UNFCCC CDM web site	14 January 2011