



Indicative simplified baseline and monitoring methodologies
for selected small-scale CDM project activity categories

TYPE III - OTHER PROJECT ACTIVITIES

Project participants shall take into account the general guidance to the methodologies, information on additionality, abbreviations and general guidance on leakage provided at:
<http://cdm.unfccc.int/methodologies/SSCmethodologies/approved.html>.

III. B. Switching fossil fuels**Technology/measure**

1. This category comprises fossil fuel switching in existing¹ industrial, residential, commercial, institutional or electricity generation applications. Fuel switching may change efficiency as well. If the project activity primarily aims at reducing emissions through fuel switching, it falls into this category. If fuel switching is part of a project activity focussed primarily on energy efficiency, the project activity falls in category II.D or II.E.

2. Measures are limited to those that result in emission reductions of less than or equal to 60 kt CO₂ equivalent annually.

Boundary

3. The project boundary is the physical, geographical site where the fuel combustion affected by the fuel-switching measure occurs.

Baseline

4. The emission baseline is the current emissions of the facility expressed as emissions per unit of output (e.g., kg CO₂e/kWh). Emission coefficients for the fuel used by the generating unit before and after the fuel switch are also needed. IPCC default values for emission coefficients may be used.

Project Activity Emissions

5. Project activity emissions consist of those emissions related with the use of fossil fuel after the fuel switch. IPCC default values for emission coefficients may be used.

Leakage

6. No leakage calculation is required.

Monitoring

7. The emission reduction achieved by the project activity will be calculated as the difference between the baseline emissions and the project emissions.

8. Monitoring shall involve:

¹ This does not preclude project participants from proposing, in accordance with paragraphs 7 and 8 of the simplified modalities and procedures for small-scale CDM project activities, simplified baselines for switching of fossil fuels for new applications.



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(a) Monitoring of the fuel use and output for an appropriate period (e.g., a few years, but records of fuel use may be used) prior to the fuel switch being implemented - e.g. coal use and heat output by a district heating plant, liquid fuel oil use and electricity generated by a generating unit (records of fuel used and output can be used *in lieu* of actual monitoring);

(b) Monitoring fuel use and output after the fuel switch has been implemented - e.g. gas use and heat output by a district heating plant, gas use and electricity generated by a generating unit.²

9. In the case of coal, the emission coefficient shall be based on test results for periodic samples of the coal purchased if such tests are part of the normal practice for coal purchases.

Project activity under a programme of activities

The following conditions apply for use of this methodology in a project activity under a programme of activities:

10. Leakage may result from fuel extraction, processing, liquefaction, transportation, re-gasification and distribution of fossil fuels outside of the project boundary. The guidance provided in the leakage section of AM0029 shall be followed. Reference to “fossil fuels used in the grid” in AM0029 shall be understood as “fossil fuel used”.

11. In case the project activity involves the replacement of equipment, and the leakage effect of the use of the replaced equipment in another activity is neglected, because the replaced equipment is scrapped, an independent monitoring of scrapping of replaced equipment needs to be implemented. The monitoring should include a check if the number of project activity equipment distributed by the project and the number of scrapped equipment correspond with each other. For this purpose scrapped equipment should be stored until such correspondence has been checked. The scrapping of replaced equipment should be documented and independently verified.

² The necessary data are probably readily available, but may need to be organized into appropriate records and be supported by receipts for fuel purchases.