Standardized Crediting Framework (SCF): A6 Model for Energy Access Rwanda

Monitoring report for solar home systems

*Guidance on how to complete this template is provided in the Annex. Once the Monitoring Report is complete, the Activity Participant[[1]](#footnote-2) should submit it to the contracted Designated Operational Entity[[2]](#footnote-3) to start the verification process. The Annex can be deleted prior to this submission.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Template version** | 1.0 | **Date approved** | 06/04/2023 |

I. GENERAL ACTIVITY[[3]](#footnote-4) INFORMATION

|  |  |  |
| --- | --- | --- |
| 1 | Activity title |  |
| 2 | National activity lead institution |  |
| 3 | Activity ID# |  |
| 4 | SCF methodology and version | Solar home systems in Rwanda, Version 1.0 |
| 5 | Date of submission of monitoring report |  |
| 6 | Version of submitted report |  |
| 7 | Activity contact: Name |  |
| 8 | Activity contact: Email |  |
| 9 | Activity contact: Phone |  |
| 10 | Activity start date (DD/MM/YYY) |  |
| 11 | Crediting period start date (DD/MM/YYYY) |  |
| 12 | Crediting period end date (DD/MM/YYYY) |  |
| 13 | Monitoring period number |  |
| 14 | Monitoring period start date (DD/MM/YYYY) |  |
| 15 | Monitoring period end date (DD/MM/YYYY) |  |

II. MONITORED DATA

The table below is used to report the data monitored during the course of the activity’s operation to date. Please refer to the document “Solar home systems in Rwanda” for more details. If a parameter is not relevant to the approach chosen for the activity, simply state “not applicable”.

| **Parameter** | **Description** | **Data / value applied[[4]](#footnote-5)** | **Monitoring approach** |
| --- | --- | --- | --- |
| - | SHS owner name and personal identification number | See activity database | Activity database |
| - | SHS owner phone number | See activity database | Activity database |
| - | SHS owner address | See activity database | Activity database |
| - | Unique serial number allocated to the SHS | See activity database | Activity database |
| - | Product name | See activity database | Activity database |
| - | Date of sale of the SHS to the end user | See activity database | Activity database |
|  | Number of solar home system since the start of the activity in year *y* | See activity database.  Sum of the devices delivered | Activity database |
|  | Share of operational devices in year *y* | Annual monitoring survey | Annual monitoring survey |
|  | Capacity of solar home system used by consumer *i* (MW) | See activity database | Activity database |
| Commissioning date | Date of commissioning of activity device used by consumer *i* | See activity database | Activity database |

III. CALCULATION OF EMISSION REDUCTIONS

The Activity Participant should use the Microsoft Excel spreadsheet “Monitoring calculation tool for solar home systems” accompanying this template to calculate the emission reductions. This spreadsheet includes the default values for parameters that are not monitored.

IV. SUMMARY OF EMISSION REDUCTIONS

|  |  |  |
| --- | --- | --- |
| Parameter | Description | Value (tCO2e) |
|  | Baseline emissions |  |
|  | Activity emissions | 0 |
|  | Emissions reductions |  |

V. REFERENCES/DOCUMENTATION

Add extra lines as necessary.

|  |  |
| --- | --- |
| Ref No | Description of documentation |
|  |  |
|  |  |
|  |  |
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ANNEX: GUIDELINES FOR COMPLETING MONITORING REPORT

I. GENERAL ACTIVITY INFORMATION

|  |  |  |
| --- | --- | --- |
|  | **Question** | **Instructions** |
| 1 | Activity title | Copy from listing document |
| 2 | National activity lead institution | Copy from listing document |
| 3 | Activity ID# | Will be assigned by the Administrator upon listing |
| 4 | SCF methodology and version | Copy from listing document |
| 5 | Date of submission of monitoring report | Enter when the most recent version of template is sent to the Administrator |
| 6 | Version of submitted report | Start with 1.0. If the Administrator or DOE requests clarifications or changes, increase the version number |
| 7 | Activity contact: Name | Copy from listing document |
| 8 | Activity contact: Email | Copy from listing document |
| 9 | Activity contact: Phone | Copy from listing document |
| 10 | Activity start date (DD/MM/YYY) | Copy from listing document |
| 11 | Crediting period start date (DD/MM/YYYY) | Copy from listing document |
| 12 | Crediting period end date (DD/MM/YYYY) | Copy from listing document |
| 13 | Monitoring period number | Copy from listing document |
| 14 | Monitoring period start date (DD/MM/YYYY) | Copy from listing document |
| 13 | Monitoring period end date (DD/MM/YYY) | This should be at least 12 months after the crediting period start date and match the data contained in the monitoring calculation tool |

II. MONITORED DATA

| **Parameter** | **Description** | **Value applied** | **Reference to supporting documentation** |
| --- | --- | --- | --- |
| - | SHS owner name and personal identification number | List the value applied per activity device | Activity database |
| - | SHS owner phone number | List the value applied per activity device | Activity database |
| - | SHS owner address | List the value applied per activity device | Activity database |
| - | Unique serial number allocated to the SHS | List the value applied per activity device | Activity database |
| - | Product name | List the value applied per activity device | Activity database |
| - | Date of sale of the SHS to the end user | List the value applied per activity device | Activity database |
|  | Number of solar home systems since the start of the activity in year *y* | List the value applied per activity device | Provide reference to any supporting documentation that can be verified to confirm the value applied in the emission reduction calculations |
|  | Capacity of solar home system by consumer *i (MW)* | List the value applied per activity device by consumer *i.* | Provide reference to any supporting documentation that can be verified to confirm the value applied in the emission reduction calculations |
|  | Share of operational devices | List the value applied per activity device | Provide reference to any supporting documentation that can be verified to confirm the value applied in the emission reduction calculations |
| Commissioning date | Date of commissioning of activity device by consumer *i* | Reported as part of the activity database for each individual customer, therefore no need to report here. | Provide reference to the activity database that can be verified to confirm. |

III. CALCULATION OF EMISSION REDUCTIONS

The Activity Participant should use the Microsoft Excel spreadsheet “Monitoring Calculation Tool for Solar Home Systems” accompanying this template to calculate the emission reductions. This spreadsheet includes the default values for parameters that are not monitored.

IV. SUMMARY OF EMISSION REDUCTIONS

|  |  |  |
| --- | --- | --- |
|  | **Question** | **Instructions** |
|  | Baseline emissions | Enter values from the emission reduction spreadsheet |
|  | Activity emissions |
|  | Emissions reductions |

V. REFERENCES/DOCUMENTATION

Provide full details of the documentation used to justify the parameters and assumptions presented in earlier section – use reference numbers to refer to these documents in the earlier tables (e.g., in the last column of the table in Section II).

**VERSION HISTORY**

|  |  |  |
| --- | --- | --- |
| *Version* | *Date* | *Contents revised* |
| 1.0 | DD/MM/YYYY | Initial adoption |
|  |  |  |

1. The public or private entity that is the developer or owner of the activity (i.e., project or program) and/or has the legal right to the mitigation outcomes. [↑](#footnote-ref-2)
2. The accredited entity designated under the relevant crediting mechanism that performs verification of the activity performance and eligibility. [↑](#footnote-ref-3)
3. Refers to the activity (i.e., projects or programs) described in the activity documentation under the CDM, SCF, Article 6.4 mechanism, or another crediting mechanism, capable of generating emission reductions under a crediting mechanism . [↑](#footnote-ref-4)
4. The parameters are collected in a ‘per device’ basis when the device is delivered to the consumer. Consumer information and data of the devices are registered to avoid double counting. The data / values are reported in the activity database, which is the main source of information and will be subject to verification. [↑](#footnote-ref-5)