Template: Preliminary M&V Professional Report

Version 2.1, April 2023

Purpose of this template

The Energy Savings Scheme Rule of 2009 **(ESS Rule**) requires that Measurement and Verification (**M&V**) Professionals be used to confirm the validity of energy models used by Accredited Certificate Providers (**ACPs**) when implementing activities that use the Project Impact Assessment with Measurement and Verification (**PIAM&V**) method.

ACPs must ensure that an approved M&V Professional deems appropriate the various aspects of their measurement procedures, energy models and parameters in accordance with the requirements of clause 7A of the ESS Rule and PIAM&V Method Requirements published by IPART.

M&V Professionals must provide their validation of the baseline measurement procedures and their written explanatory reasoning using this template.

Instructions for using this template

To use this template, you must complete every section. The completed report will be reviewed by PIAM&V auditors and must include sufficient reasoning to justify your opinion of the various aspects of the measurement procedures relating to the baseline energy model.

Please note that you must validate the measurement procedures in relation to the baseline energy model and complete the Preliminary M&V Professional Report with your written explanatory reasoning prior to the implementation date.

Reports without sufficient explanatory reasoning may be assessed as not meeting the requirements of the ESS Rule and/or PIAM&V Method Requirements published by IPART, and may impact the validity of the energy savings certificates for the relevant implementation.

Document control

| Version Number | Change Description | Date Published |
| --- | --- | --- |
| V1.0 | Initial release | March 2020 |
| V2.0 | Minor amendments to update formatting and fix text boxes | October 2020 |
| V2.1 | Minor amendments to update for new ESS Rule | April 2023 |

Report details

|  |  |
| --- | --- |
| M&V Professional name | Click here to enter text |
| ACP name (company) | Click here to enter text |
| RESA name | Click here to enter text |
| Implementation address | Click here to enter text |
| Project description | Click here to enter text |
| EUE included in the measurement boundary | Click here to enter text |
| Date of this report | Click here to enter text |

Measurement Procedures – Baseline Energy Model

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|  | Explain how the Measurement Procedures for measuring eligible fuel consumption (electricity, gas, diesel, biofuel, biomass, biogas, on-site renewables), Independent Variables, Site Constants and other parameters are appropriate for the Baseline Energy Model (in accordance with clause 7A.5 of the ESS Rule). |

The Measurement Procedures must:

* be based on a baseline Measurement Period that meets the requirements of clause 7A.5(a)-(b)[[1]](#footnote-1)
* include any time periods in which Independent Variables may reasonably be expected to lead to the Implementation increasing fuel consumption (clause 7A.5(f1))
* cover all relevant Independent Variables that impact the energy consumption of the end-user equipment
* have sufficient frequency of measurements over the baseline Measurement Period to establish normal operating conditions (consider frequency of measurements in respect of power draw, availability of metered energy data and other relevant factors)
* define which items of end-user equipment will have their fuel consumption measured (the measurement boundary)
* specify measurement equipment (meters) or other sources of measurements
* define the calibration procedures, accuracy and precision of such measurement methods
* identify and record any Non-Routine Events that occurred during the baseline Measurement Period following the requirements in clauses 7A.5B and 7A.5B1 of the ESS Rule.

|  |  |
| --- | --- |
| Provide explanatory reasoning | Click here to enter text |

Supporting evidence

|  |  |
| --- | --- |
|  | List the documents and systems that you reviewed to prepare this report. |

| Document/System name | Version | Review date |
| --- | --- | --- |
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|  | List the people you consulted to prepare this report. |

| Name | Company | Position |
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Declaration

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|  | Section 158 of the Electricity Support Act 1995 imposes a maximum penalty of $11,000 and/or six (6) months imprisonment for knowingly providing false or misleading information to the Scheme Administrator. |

**I hereby declare that:**

* I have reviewed the M&V Plan and the supporting documentation provided by the ACP and deem the measurement procedures in relation to the baseline energy model to be appropriate for the implementation and in accordance with the requirements of clauses 7A.5 and 7A.5A of the ESS Rule.
* I was not responsible for the design or delivery of the M&V approach that is the subject of this report and have provided an independent opinion.
* There are no conflicts of interest between the ACP, myself and other parties involved in the relevant implementation.
* The information in this report is correct and not misleading by inclusion or omission.
* I am aware that there are penalties for providing false or misleading information to IPART as Scheme Administrator of the ESS in this report and when operating as an M&V Professional.

**Signed by the M&V Professional**

|  |  |
| --- | --- |
| Signature | Click here to enter text |
| Full name of signatory | Click here to enter text |
| Date | Click here to enter text |

Confirmation by the ACP

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|  | Clause 4.2(a) of the PIAM&V Method Requirements (April 2023) requires the ACP to sign and date the Preliminary M&V Professional Report before the Implementation Date. |

**The ACP hereby confirms that:**

* It has reviewed this report and that it appears to be complete.
* This report was prepared before the Implementation Date.

**Signed by the Accredited Certificate Provider**

|  |  |
| --- | --- |
| Signature | Click here to enter text |
| Full name of signatory | Click here to enter text |
| Date | Click here to enter text |

1. If the end date of the baseline Measurement Period and/or the Implementation Date of the project have not yet been defined at the point this Preliminary M&V Professional Report is completed, please provide a validation of the planned dates and provide explanatory reasoning on whether the proposed Measurement Procedures are adequate to ensure the baseline Measurement Period will meet the requirements under clause 7A.5. [↑](#footnote-ref-1)