

Draft PIAM&V Method Requirements and PIAM&V Method Guide

20 March 2023

1 We are seeking feedback

We are inviting submissions on 2 draft documents relevant to the Project Impact Assessment with Measurement and Verification (**PIAM&V**) method under the Energy Savings Scheme (**ESS**):

- PIAM&V Method Requirements (**Method Requirements**)
- PIAM&V Method Guide (**Method Guide**).

We are updating these documents to reflect amendments to the *Energy Savings Scheme Rule of 2009* (**ESS Rule**) commencing on 14 April 2023. The Office of Energy and Climate Change conducted extensive consultation on this ESS Rule change. This consultation only relates to the updates to the documents, not the rule change itself.

Clause 7A of the ESS Rule sets out the requirements of the PIAM&V method.

The Method Requirements are made under clause 7A and must also be complied with by Accredited Certificate Providers (**ACPs**) using the PIAM&V method.

The Method Guide provides guidance on the requirements in clause 7A of the ESS Rule. It aims to help ACPs understand key ESS Rule requirements and PIAM&V concepts and calculate energy savings using the method. The Method Guide also includes evidence requirements that ACPs must comply with.

2 Changes to the ESS Rule

The 2023 ESS Rule change that commences on 14 April 2023 includes the following changes to the PIAM&V method:

- introducing new eligible fuels
- a new process to allow for non-routine events and adjustments, including a requirements guide that ACPs must follow to account for non-routine events
- clarifying interactive energy effects to reflect new eligible fuels
- introducing new minimum statistical requirements for regression analysis, including a requirement that the modelling frequency must be specified and exceptions to regression modelling requirements for some non-routine adjustment approaches
- relaxing calibration requirements for meters approved by the National Measurement Institute for trade purposes
- introducing the effective range adjustment factor to account for effective range effects in equations 7A.2 and 7A.4

- introducing new and updated definitions for PIAM&V.

A copy of the amended ESS Rule is available on the [NSW Energy website](#).

3 Our approach

3.1 Method Requirements

We have updated the draft Method Requirements to reflect changes to the ESS Rule (wording changes are italicised in the bullets below), including:

- ACPs must include evidence in the Measurement and Verification Report that *for each Measurement Period* the Baseline and Operating Energy Models include one or more complete operating cycles of the End-User Equipment (**EUE**).
- In defining the Measurement Boundary for an Implementation, ACPs must document *and retain evidence of* all items of EUE *within the Measurement Boundary as defined in the ESS Rule*.
- The Preliminary M&V Professional Report must be signed and dated by an M&V Professional and *the ACP* prior to the Implementation Date.
- Statistical requirements have been removed, as they are now included in the ESS Rule.

3.2 Method Guide

We have substantially restructured the draft Method Guide. It now reflects key phases in a measurement and verification project and has been updated to include the amendments to the ESS Rule. The draft Method Guide includes evidence requirements, examples, and references to the PIAM&V Method Requirements where appropriate. Changes to reflect new definitions and changes to the ESS Rule are highlighted in the Method Guide using blue shading.

The Method Guide is intended to be used with:

- guidance published by the Office of Energy and Climate Change from time to time
- the [PIAM&V Method Application Requirements for Non-Routine Events and Adjustments](#)
- PIAM&V Method Requirements
- other guidance we publish that applies to all calculation methods, including our [General Requirements Guide](#), [Record Keeping Guide](#) and [Minimum Requirements of Conduct](#).

4 Consultation questions

No.	Question
1	Do you have any comments on the proposed changes to the Method Requirements? For example, are the changes practical to implement?
2	Do you have any other feedback on any aspect of the Method Requirements?
3	Do you have any comments on the <i>approach</i> to the Method Guide? For example: <ul style="list-style-type: none">• Does it make it easy for you to find the information you need to comply with your obligations?• Does structuring the document around key phases of the project cycle make it easier to follow?
4	Do you have any comments on the <i>content</i> of the Method Guide? For example: <ul style="list-style-type: none">• Is the guidance clear and easy to understand?• Does the focus on applying the ESS Rule and cross-referencing other documents make the Method Guide easier to use?• Is there any other information you would like included in the Method Guide?
5	Do you have any comments on changes to the evidence requirements in the Method Guide? For example: <ul style="list-style-type: none">• Are the requirements clear and easy to understand?• Are the requirements practical?
6	Do you have any other feedback on any aspect of the Method Guide?

When providing your feedback you should take into account that the Method Requirements and Method Guide must be consistent with the ESS Rule.

5 Next steps

Please send your submissions addressing the consultation questions and any other feedback on the draft Method Guide and draft Method Requirements to ESS@ipart.nsw.gov.au by **4 April 2023**.

Note, we are holding a workshop on Tuesday **28 March 2023** to take you through the changes. Please register for the workshop by emailing ESS@ipart.nsw.gov.au.

Ensure you include a completed [ESS submission cover sheet](#) with your submission to confirm you have read and accept [IPART's Submission Policy](#). We will publish your submission on our website unless you ask us to keep your submission or name confidential.

We will consider all submissions in finalising the Method Guide and Method Requirements and publish a response on our website.

The final Method Guide and Method Requirements will be published on our website from 14 April 2023.