Application for Accreditation – Part B

Method Details – Public Lighting Energy Savings Formula

Version 2.3, April 2023

Purpose of this form

This form is used to apply for accreditation as an Accredited Certificate Provider or ‘ACP’ for the **Public Lighting Energy Savings Formula (Public Lighting)** sub-method. It must be accompanied by *Application Form – Part A (general details)* and other supporting documentation as indicated in these forms.

Refer to the [Public Lighting Method Guide](https://www.ess.nsw.gov.au/Home/About-ESS/Energy-savings-calculation-methods/Public-Lighting-Energy-Savings-Formula) to assist you in completing this form. Essential information about the requirements of applicants and ACPs is set out in the:

[ACP Application Guide](https://www.ess.nsw.gov.au/Home/Document-Search/Guides/Application-for-Accreditation-Guide-ACPs)

[Record Keeping Guide](https://www.ess.nsw.gov.au/Accredited-Certificate-Providers/Obligations-of-an-ACP/Record-keeping)

[Guide to ACP’s Obligations](https://www.ess.nsw.gov.au/Accredited-Certificate-Providers/Obligations-of-an-ACP).

Your application information must be consistent with and meet the requirements set out in these documents. More information on the [application process](https://www.ess.nsw.gov.au/Accredited-Certificate-Providers/Becoming-an-ACP/The-application-process) can be found on the ESS website.

Meaning of key terms and icons in this form

Words which are defined in the ESS Rule and used in this Application Form have the same meaning in this Application Form as in the ESS Rule, unless the context requires otherwise.

Key terms

**ACP** means **accredited certificate provider**. If this application for accreditation is approved, you will be an ACP.

**Eligible fuels** means anything which, from time to time, is a “recognised form of energy” as that term is defined under clause 2 of Schedule 4A to the *Electricity Supply Act 1995*.

*[Note: This definition of eligible fuels differs from the definition of the same term under the ESS Rule. Electricity is an eligible fuel under this method.]*

**ESC** means **energy savings certificate**. If this application for accreditation is approved, you may be able to create ESCs from the activities conducted under the RESA.

**ESS Rule** means the [***Energy Savings Scheme Rule of 2009***](https://www.ess.nsw.gov.au/Home/About-ESS/Legislation-ESS-Performance/ESS-Rule). The ESS Rule sets out the specific requirements of each calculation method under the ESS. Requirements specific to Public Lighting are set out in clause 9.4A of the ESS Rule. The ESS Rule is available on the ESS website.

**EUE** means **end-user equipment.** EUE is equipment, processes, or systems which consume eligible fuels. This includes the equipment directly consuming one or more eligible fuels as well as equipment or products that cause, control or influence the consumption of one or more eligible fuels.

**Implementation** means the delivery of a RESA at a site.

**RESA** means **recognised energy saving activity**. A RESA must meet all of the criteria set out in clause 5.3 of the ESS Rule. If this application for accreditation is approved, you will be accredited in respect of a specific energy saving activity.

**Site** means the location of the EUE included in a RESA.

Icons

|  |  |
| --- | --- |
|  | Important information to assist you with completing the application. |
|  | Indicates an instruction for completing this form. |
| 0. | Indicates a document or supporting evidence to be provided with the application. |

How to complete and submit your application

1. Complete [Application for Accreditation – Part A](http://www.ess.nsw.gov.au/How_to_apply_for_accreditation/Apply_now_-_guides_and_application_forms) and Application for Accreditation – Part B (this form).
2. Finalise supporting documentation.
3. Review the completed application forms and supporting documentation to ensure that they are concise, complete and accurate. This is an opportunity to demonstrate the effectiveness of your quality assurance procedures to IPART.
4. Submit the application forms and supporting documentation to IPART.

Method eligibility

#### Types of upgrades

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|  | If your application is successful, you will be accredited to modify and replace EUE for that type of public lighting. |
|  | Select the activities that will be included in the RESA. |

|  |  |
| --- | --- |
| Lighting for roads and public spaces |  |
| Traffic signals |  |

#### Original energy saver(s)

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| --- | --- |
|  | Select the original energy saver(s) that will be included in the RESA. |

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| The owner of the Luminaire |  |
| A Council or Roads and Maritime Services that is a public lighting customer of the Distributor that owns the Luminaire and has requested the lighting upgrade from the Distributor in writing |  |

#### Site boundary

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| --- | --- |
|  | The site boundary defines the ‘scale’ over which an implementation occurs. For example, a single luminaire at an address, or multiple luminaires in a street or suburb. |

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| --- | --- |
| Describe how you will define the site boundary of the lighting upgrade: | Click here to enter text |
| Describe how you will identify each site: | Click here to enter text |

#### Ineligible activities

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| --- | --- |
|  | [Activities which are not eligible](https://www.ess.nsw.gov.au/Home/About-ESS/Overview-of-the-ESS/Excluded-activities) RESAs are set out in clause 5.4 of the [ESS Rule](https://www.ess.nsw.gov.au/Home/About-ESS/Legislation-ESS-Performance/ESS-Rule). If any of these activities are part of your RESA you need to explain how they will be excluded from your energy savings and ESC calculations. |

Are any ineligible activities included in the proposed RESA?

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| --- | --- |
|  | Check the appropriate box and respond accordingly. |

|  |  |  |
| --- | --- | --- |
| No |  | 🡪 Go to Question 5 |
| Yes |  | 🡫 Provide the information below |

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| Describe how any ineligible activities will be excluded from energy savings and ESC calculations: | Click here to enter text |

End-user equipment

#### Disposal of EUE

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|  | Equipment that is removed as part of the RESA must be disposed of appropriately. It must not be refurbished, re-used or resold. Refer to clause 5.3A of the ESS Rule.  Lighting equipment containing mercury removed during upgrades in metropolitan levy areas (refer Table A25 of the ESS Rule) must be recycled in accordance with the requirements of a Product Stewardship Scheme. |

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| Describe how you will ensure that EUE which is removed as part of the RESA is not refurbished, reused or resold: | Click here to enter text |
| Describe how you will ensure that relevant lighting equipment is recycled in accordance with the requirements of a Product Stewardship Scheme: | Click here to enter text |

#### Equipment requirements

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|  | Equipment requirements are set out in clause 9.4A and Schedule A of the ESS Rule. |

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| Describe how you will ensure the lighting equipment installed as part of the lighting upgrade meets equipment requirements: | Click here to enter text |

#### Installation requirements

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|  | ESS installation requirements are set out in clause 9.4A of the ESS Rule. The network owner may have installation requirements you must meet. |

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| Describe the relationship the owner of the luminaire has with the person installing the lighting equipment: | Click here to enter text |
| Describe how you will ensure the equipment installed meets ESS installation requirements: | Click here to enter text |
| Describe how you will ensure that you will satisfy the network owner’s installation requirements: | Click here to enter text |

#### Maintaining production, service and safety levels

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|  | RESAs must not result in a reduction of production, service or safety levels. This means the performance or outputs of the site must not be reduced as a result of the RESA. |

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| Describe how you will consider customer and site requirements in the lighting design: | Click here to enter text |
| Describe how you will ensure the customer is satisfied with the lighting upgrade and it meets their needs and site requirements: | Click here to enter text |

Calculating energy savings

#### Calculating energy savings

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|  | Energy savings formulae are shown in clause 9.4A of the ESS Rule. Inputs to energy savings formulae are updated from time to time. |

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| Describe how you will determine the inputs to the energy savings equations for each implementation: | Click here to enter text |
| Describe how you will calculate energy savings from each implementation (i.e. provide details about spreadsheets or other calculation tools that you will use): | Click here to enter text |
| Describe how you will ensure the calculation tool uses the correct ESS Rule factors: | Click here to enter text |

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| 0. | Attach the calculation spreadsheet(s) / tool(s) you will use to calculate energy savings. The spreadsheet / tool must show the steps and formula used to calculate energy savings. |

|  |  |
| --- | --- |
| File name – calculation spreadsheet / tool: | Click here to enter text |

#### Accuracy of energy savings and ESC calculations

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|  | You must have appropriate procedures for checking calculations of energy savings and ESCs. If during an audit of your RESA the auditor identifies errors in calculations from which ESCs have been registered, you may be requested, or required, to forfeit any improperly created ESCs. |

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| Describe how your procedures will ensure the accuracy of energy savings and ESC calculations: | Click here to enter text |