Greenhouse gas emission

Credit 15D

Individual Building  Portfolio

Project Name: [name]

Project Number: GS- [####]

|  |  |  |  |
| --- | --- | --- | --- |
| Total Points available: | 23 | Points claimed: | [##] |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | **Type** | **Criteria** | **Description** | **Claimed** |
| 15D | **Data** | **Longitudinal benchmarking** | Up to 23 points are available based on percentage reductions in greenhouse gas emissions against the baseline established from historical data from the building seeking *Green Star – Performance* certification. | [#] |

# Project-specific technical questions

|  |  |
| --- | --- |
| There are no project-specific technical questions for this credit. |  |
| There are project-specific technical questions for this credit and all responses received from the GBCA are attached. |  |

## 15D Longitudinal benchmarking

### 15D.1 Pathway selection

|  |  |  |
| --- | --- | --- |
| 15D.1.1 Has at least five concurrent years of historical energy performance data from within the past 10 years of operation for the project being certified been collected? | | **[Y/N]** |
| Provide details of the data collected. |  | |
| 15D.1.2 Justify why Pathways 15A, 15B and 15C were unsuitable or not practical for the building seeking certification. |  | |

### 15D.2 Establishing a baseline

|  |  |  |
| --- | --- | --- |
| The average performance baseline of a calculated Average Performer and a nominal Minimum Baseline have been calculated using the Greenhouse Gas Calculator in line with the Greenhouse Gas Calculator Guide. | |  |
| Provide all assumptions or an explanation on how the average baseline was determined in the calculator. |  | |

### 15D.3 Data, calculations and points allocation

Show that all calculation inputs and data collected is in line with the Greenhouse Gas Emission Calculator and Calculator Guide and validate that the calculations meet the compliance requirements for each of the items below, by referencing supporting evidence attached to the Submission Template.

|  |  |  |
| --- | --- | --- |
| **15.0.3.1** All data collected is in line with the Greenhouse Gas Emission Calculator and Calculator Guide. | |  |
| Provide the following information: | | |
| The average Greenhouse Gas Emissions demand baseline: |  | |
| The Greenhouse Gas Emissions demand of the building seeking certification: |  | |
| The percentage improvement over the baseline: |  | |
| **15.0.3.2** The number of points claimed in accordance with Table 15.0.3 | | **[##]** |

### 15D.4 Tenant engagement

Show how requirements for tenant engagement detailed under item 15.0.4 have been met and reference supporting evidence attached.

Note: Options 15.0.4a or 15.0.4b can be used alone or in combination for tenancies within the building seeking Green Star certification.

| **Requirements** | **Supporting Evidence** | |
| --- | --- | --- |
| **15.0.4a** Provide valid NABERS Energy Tenancy rating(s) and report greenhouse gas emissions from the NABERS report in the Greenhouse Gas Emissions Calculator.  Reference NABERS certificates attached. |  | |
| **15.0.4b** Verify the following information has been collected through collaboration with tenants: | | |
| i. Historical monthly energy data, from at least 12 consecutive months (within performance period) covering major tenant energy sources. |  | |
| ii. Area information in square metres. |  | |
| iii. Space use or activity type (office, industrial non-refrigerated warehouse, sandwich shop, butcher etc.). |  | |
| iv. Hours of operation information in hours per week. |  | |
| v. Other operational characteristics that may be specific to that building type or space use (number of refrigeration units, cash registers, etc.). |  | |
| vi. The absolute greenhouse gas performance has been calculated using the data collected, resulting in a total kgCO2/annum figure, as well as a kgCO2/m2/annum figure for each of the tenancies. |  | |
| How many points are being claimed for tenant engagement? | | **[#]** |

### 15D.5 Minimum performance requirement

|  |  |
| --- | --- |
| Is the building at least 10% better than the average greenhouse gas baseline without GreenPower or other low-emission electricity generated off-site?  (This requirement is a minimum requirement for buildings targeting a Green Star – Performance certification of 4 Stars or higher.) | **[Y/N]** |

Identify where this information can be found within the supporting documentation provided.

|  |  |
| --- | --- |
| **Supporting Documentation**  (Name / title / description of document) | **Reference**  (Page no. or section) |
| *Green Star – Performance* Greenhouse Gas Emissions Calculator 15D | [####] |
| [####] | [####] |

### DISCUSSION

Outline any issues you would like to highlight and clarify with the Certified Assessor(s).

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|  |

# DECLARATION

I confirm that the information provided in this document is truthful and accurate at the time of completion.

Provide author details, including name, position and email address:

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| --- |
|  |

Click here to enter a date.