# 22 Energy Use

**Positive**

## Submission information

Provide the following information for the submission

|  |  |
| --- | --- |
| **Submission type** | Choose an item. |
| **Performance level targeted** | [ ]  Minimum Expectation |
| [ ]  Credit Achievement |
| [ ]  Exceptional Performance |
| **Points Targeted** | Click or tap here to enter text. |

#### Technical Questions

|  |  |
| --- | --- |
| There are project-specific technical questions for this credit and all responses received from the NZGBC are included in the submission. | Choose an item. |

#### Discussion

Narratives will help the Assessors understand how the project complies with the credit. Please include a narrative below, but note that simply listing the credit requirements is not helpful. Instead, outline any other issues that need to be considered by the Assessment Panel.

Click or tap here to enter text.

#### Changes between Rounds

If applicable, please use the text box below to explain any changes between Round 1 and Round 2. This is an opportunity for the GSAP to describe how they have addressed the Assessors comments in Round 2.

Click or tap here to enter text.

# Energy Use- Reference Building Pathway

## Submission template

### Minimum Expectation

|  |  |
| --- | --- |
| **The project meets the requirements for the targeted star in the registered year.** | Choose an item. |
| **There are two pathways available for this credit. Choose from one of the pathways based on building type:** | Choose an item. |

#### Reducing Energy Use

|  |  |
| --- | --- |
| **The project complies with Reducing Energy Use criteria.** | Choose an item. |
| **The building uses 10% less energy compared to a reference building.** | Choose an item. |
| **The results from the energy model includes all energy consumed by base building systems. Consumption from commercial tenant systems is excluded from the calculation.** | Choose an item. |
| **Provide the Energy Use calculator for the project.** | Click or tap here to enter text. |
| **In the Proposed Project each of the following building system complies with the relevant requirements of NZGBC Clause H1.** | Choose an item. |
| **Indicate where the following requirements have been outlined in the Energy Use model (provide references to documentation):** |
| * The performance of wall-glazing constructions and display windows complies with the total system R value, total system U value and system SHGC requirements, inclusive of thermal bridging effects.
 | Click or tap here to enter text. |
| * The performance of mechanical systems complies with the requirements of NZGBC Clause H1/VM3.
 | Click or tap here to enter text. |
| * The performance of artificial lighting systems (H1) complies with the overall lighting efficiency requirements.
 | Click or tap here to enter text. |

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |

#### Exclusion of Fossil Fuels On-site

|  |  |
| --- | --- |
| **Commitment to lease clauses that preclude tenants from introducing non-renewable energy sources such as LPG cylinders is provided.** | Choose an item. |
| **Any fossil fuels used for emergency power or laboratory equipment is less than 1% of the total building energy consumption and is offset for the first five years of operation.** | Click or tap here to enter text. |
| **The amount of carbon emissions to be offset are based on estimated fuel use from regular scheduled testing and predicted peak shaving events.** | Choose an item. |

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
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### Credit Achievement

#### Reducing Energy Use

|  |  |
| --- | --- |
| **The building uses less energy compared to a reference building as per the Criteria table.** | Choose an item. |

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |

### Exceptional Performance

#### Reducing Energy Use

|  |  |
| --- | --- |
| **The building uses less energy compared to a reference building as per the Criteria table.** | Choose an item. |

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
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## Declaration

Provide the following details as confirmation that the information provided in this document is truthful and accurate at the time of completion.

|  |  |
| --- | --- |
| **Name** | Click or tap here to enter text. |
| **Position** | Click or tap here to enter text. |
| **Email** | Click or tap here to enter text. |
| **Date** | Click or tap to enter a date. |