# Green Star Short Report Round [1/2]

Ensure all prompts shown in Blue text have been responded to.

Green Star – Office Design v3

Credit: Ene-5 Peak Energy Demand Reduction

Project Name: [name]

Project Number: GS- [####]

Points available: 2 Points claimed: [1 or 2]

1. Reduced Peak Energy Demand (for projects actively reducing energy demand)

The project is claiming [1 Point / 2 Points] in Ene-5 by reducing peak energy demand by at least [15% / 30%].

Table : Reduced Peak Energy Demand

|  |  |
| --- | --- |
| Building’s Peak Electrical Demand | [e.g 1000kW] |
| Building’s Peak Demand Reduction | [e.g. 200kW] |
| Percentage reduction of peak demand | [e.g. 20%] |

[Summarise the projects peak demand and peak demand reduction. Summarise active systems included in the project to reduce peak electricity demand]

* 1. Building’s peak energy demand

[Detail with supporting calculations:

* the project’s peak energy demand;
* Confirmation that peak demand calculations cover all base building systems represented in electrical schematics. All building systems except tenant lighting and power must be included in assessing peak demand; and

Confirmation that peak demand calculations have been carried out in accordance with AS3000.]

### AS3000 Calculations

[Include AS3000 calculations. Outline how these calculations are compliant with the AS3000 standard and have the correct diversity factors applied. Note that contingency factors required for utility agreements do not need to be included.]

[Reference relevant electrical schematic drawings included in your submission]

### Peak demand reduction

[Outline with calculations, the project’s peak energy demand reduction]

* + - 1. **Design capacity**

[Outline with calculations, the project’s the design, operation and capacity of the building’s energy systems]

### Active systems to limit demand on infrastructure

[Identify what active mechanisms are in place to ensure that demand on infrastructure will never exceed the established threshold]

[Insert hyperlinks to documents which support these claims]

Therefore, as demonstrated in section 1, this project is eligible to achieve [1 or 2] point(s) for reducing demand on energy supply infrastructure.

1. Difference between Peak Demand and Average Demand (for projects reducing peak energy demand by comparing peak demand with average demand)

The difference between peak demand and average demand does not exceed [40% or 20%].

### 2.1 Building attributes

[Please describe the building attributes that contribute towards the flatter electrical demand curve]

### Supporting calculations

[Please provide calculations which demonstrate credit compliance]

Therefore, as demonstrated in section 2, this project is eligible to achieve [1 or 2] point(s) for reducing demand on energy supply infrastructure.

## Discussion

[Insert any issues you would like to highlight and clarify to the Assessment Panel.]

Author Details:

[Insert name, position and contact details of author]

[Date]

––– **Report end** –––