

Contribution to Industry Benchmarking

Points Available: 1

Aim

To develop new Green Star benchmarks based on operational data gained from existing buildings.

Rating Tool Eligibility



Green Star
Performance

Note: this Innovation Challenge is only applicable to projects which can provide operational energy consumption data for at least 10 buildings.

Why is this Innovation Challenge Important?

Benchmarks used in Green Star need to be developed in response to current industry standard practice. Where the industry standard practice is known, benchmarks are set to drive the industry towards 'best practice' using Green Star. Where industry standard practice is not known, the Green Building Council of Australia commits to consulting with industry to understand the sustainability issue which, in turn, can be used to develop 'best practice' benchmarks.

The 'Peak Electricity Demand' credit in the *Green Star – Performance* rating tool requires further industry input. Operational energy consumption data is required to develop the Green Star benchmarks within this credit.

Compliance Requirements

To claim this Innovation Challenge your project team must provide operational energy consumption data for at least 10 unique buildings. The data is required to include the following:

- Building location (postcode);
- Building size;
- Space use;
- Energy consumption data for at least one (1) year; and
- Hourly peak demand data for at least one (1) year.

If a project team is unable to provide hourly peak demand data, the following hierarchy of data collection applies: hourly peak, daily peak and monthly peak.

In providing this information to the GBCA, the project team must acknowledge that the GBCA has the right to publish this data in an anonymised format and include with data from other industry contributors to formulate publicly available benchmarks.

Project teams are required to complete the 'Operational Energy Data' Excel template available on the GBCA website.

This template can be found at the following link:

<http://www.gbca.org.au/green-star/technical-support/innovation-in-green-star/>

Alternative Compliance Methods

A Credit Interpretation Request (CIR) may be submitted to the Green Building Council of Australia (GBCA) when an applicant wishes to advocate for an alternative yet equivalent method of meeting the Compliance or Documentation Requirements. Any CIRs submitted for this Innovation Challenge will be processed as free-of-charge.

Documentation Requirements

Initial Certification and Recertification Submission

Provide the following required documentation:

- **Submission Template** outlining how the project team has addressed this Innovation Challenge. The Submission Template also enables project teams to provide feedback on the Innovation Challenge to inform future developments.
- **Completed 'Operational Energy Data' template** for at least 10 buildings. This should be submitted in Excel format to enable the GBCA to easily extract the data. The rest of the Innovation Challenge submission should be included as a PDF.
- **A confirmation email from the GBCA** that the data required has been received. The data should be sent to a member of the Sustainability Services team well in advance of the project's intended submission date. The GBCA will then check to confirm that the data provided is suitable for use.

No further documentation is required.