



# RATING TOOL FACT SHEET: GREEN STAR – EDUCATION PILOT

The Green Star - Education PILOT rating tool assesses the environmental attributes of new education facilities as well as additions to, and major refurbishments of, existing education facilities.

The Green Star - Education PILOT was developed to assess the entire building through to fitout, as education facilities are delivered as integrated fitouts. This differentiates it from other Green Star rating tools, which address base buildings and fitouts separately.

This PILOT tool can be used to assess buildings at either the 'Design' or 'As Built' phase.

The target audience for the Green Star – Education PILOT rating tool consists of state governments and owners of private education facilities. The tool enables these stakeholders to minimise the environmental impacts of their developments and to capitalise on, and receive recognition for, their design initiatives.

Green Star – Education PILOT will award Certified Ratings on the same scale as other Green Star rating tools:

- 4 Star Green Star Certified Rating (score 45-59) signifies 'Best Practice'
- 5 Star Green Star Certified Rating (score 60-74) signifies 'Australian Excellence'
- 6 Star Green Star Certified Rating (score 75-100) signifies 'World Leadership'

The Green Star tools have been developed to rate buildings equally across building sectors. In other words, a 5 Star Green Star – Education PILOT project will exhibit the same degree of industry leadership as a 5 Star Green Star – Office project.

## Environmental Impact Categories

Green Star rating tools consist of eight environmental impact categories and an innovation category. Credits are awarded within each of the categories based on the building's environmental merits in a range of areas.

The Green Star – Education PILOT takes into consideration the unique development requirements and impacts of this sector. Not only are there new and revised credits within the tool, the category weightings have been customised for educational facilities.

## How Green Star – Education is different from other Green Star rating tools

Within the Green Star framework of eight categories plus innovation, there are both core credits and sector-specific credits.

*Core credits* are found in all Green Star tools as their impact is relevant for all building sectors.

While all core credits have the same credit criteria, some may have different benchmarks to adapt to the context of a tool's sector.

*Sector-specific credits* are completely unique to a specific building type. For the Green Star – Education PILOT they include:

- 'Learning Resource'
- 'Unoccupied Areas'
- 'Potable Water Use in Laboratories'

While the Energy Category of Green Star – Office rating tools incorporate the Australian Building Greenhouse Rating (ABGR), an equivalent does not exist for the education sector. The GBCA engaged with the tool sponsors and other industry representatives in a study of existing education facilities, resulting in a customised Energy Calculator within the Green Star – Education PILOT. It assesses all education facilities equitably - independent of size or location - on their predicted greenhouse gas emissions during operation.



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# GREEN STAR - EDUCATION PILOT: CATEGORIES & CREDITS

## Management

- Green Star Accredited Professional
- Commissioning - Clauses
- Commissioning - Building Tuning
- Commissioning - Commissioning Agent
- Building Users' Guide
- Environmental Management
- Waste Management
- Learning Resource
- Maintainability

## Indoor Environment Quality

- Ventilation Rates
- Air Change Effectiveness
- Carbon Dioxide and VOC Monitoring and Control
- Daylight
- Daylight Glare Control
- High Frequency Ballasts
- Electric Lighting Levels
- External Views
- Thermal Comfort
- Hazardous Materials
- Internal Noise Levels
- Volatile Organic Compounds
- Formaldehyde Minimisation
- Mould Prevention

## Energy

- Energy - Conditional Requirement
- Energy Improvement
- Electrical Sub-metering
- Peak Energy Demand Reduction
- Stairs
- Unoccupied Areas
- Lighting Zoning and Control
- Efficient External Lighting
- Car Park Ventilation
- Centralised Energy Systems

## Transport

- Car Park Minimisation
- Fuel Efficient Transport
- Cyclist Facilities
- Commuting Mass Transport
- Pedestrian Routes

## Water

- Occupant Amenity Potable Water Efficiency
- Water Meters
- Landscape Irrigation Water Efficiency
- Heat Rejection Water Consumption
- Fire System Water Consumption
- Potable Water Use in Laboratories

## Materials

- Recycling Waste Storage
- Reuse of Façade
- Reuse of Structure

- Recycled Content of Concrete
- Recycled Content of Steel
- PVC Minimisation
- Sustainable Timber
- Flooring
- Joinery
- Loose Furniture
- Recycled-Content & Reused Products and Materials
- Disassembly / Deconstruction

## Land Use & Ecology

- Ecological Value of Site
- Reuse of Land
- Reclaimed Contaminated Land
- Change of Ecological Value
- Topsoil and Fill Removal from Site

## Emissions

- Ozone Depletion Potential
- Refrigerant GWP
- Refrigerant Leak Detection and Recovery
- Watercourse Pollution
- Reduced Flow to Sewer
- Light Pollution
- Legionella

### Category Weightings

Management	10%
IEQ	20%
Energy	25%
Transport	10%
Water	15%
Materials	10%
Land Use & Ecology	5%
Emissions	5%

**TOTAL:**

**100%**

## PILOT Process

As with all Green Star tools, the Green Star – Education PILOT process will last for a minimum of 90 days. The tool will be available to the public on the GBCA website and the GBCA will address and incorporate public feedback prior to the release of the final version of the rating tool.

Beginning in 2006, the GBCA has implemented a formal PILOT assessment process. Up to six projects nominated by tool sponsors have the opportunity to go through two rounds of assessment and receive a PILOT Certified Rating.

Download the tool from [www.gbcaus.org](http://www.gbcaus.org)



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