



# RATING TOOL FACT SHEET: GREEN STAR – HEALTHCARE PILOT

The Green Star - Healthcare PILOT rating tool assesses the environmental attributes of new healthcare and aged care facilities, and additions to, and major refurbishments of, existing healthcare and aged care facilities.

The tool has the capacity to assign a Green Star PILOT Certified Rating to either the completed design (Green Star – Healthcare Design PILOT) or to the practically completed (Green Star – Healthcare As Built PILOT) healthcare facility. The Green Star - Healthcare PILOT addresses the entire building, from base building through to interior fitout, as healthcare facilities are delivered as integrated fitouts. This differentiates it from previous Green Star rating tools, which have assessed base buildings and fitouts separately.

The following healthcare facilities fall under the scope of this tool:

- General and acute care hospitals,
- Community health clinics,
- Diagnostic centres,
- Aged care facilities and
- Mental health facilities.

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

Green Star – Healthcare 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 rating tools have been developed to be equitable across building sectors. In other words, a 5 Star Green Star – Healthcare 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 across a range of areas.

Green Star – Healthcare PILOT takes into consideration the uniqueness of both the development requirements and the environmental impacts of healthcare facility developments. As such, the number of credits within categories and the category weightings vary from other Green Star rating tools.

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

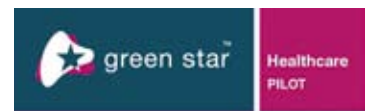
Green Star consists of core credits and sector-specific credits.

*Core credits* are consistent across all Green Star base-building and integrated fitout tools as their impact is relevant for all building sectors. However, some benchmarks within core credits may vary across building types.

There are also *sector-specific credits*, which are completely unique to a specific building type. For the Green Star – Healthcare PILOT they include:

- 'Air Distribution System'
- 'Outdoor Pollutant Source Control'
- 'Places of Respite'
- 'Medical Equipment Efficiency'
- 'Potable Water Use for Equipment Cooling'
- 'Trade Waste Pollution'
- 'Airborne Emissions'

While the Energy Category of Green Star – Office rating tools incorporates the Australian Building Greenhouse Rating (ABGR), there is not an equivalent for the healthcare sector. The GBCA engaged with the tool sponsor and other state governments in a study of existing healthcare facilities, resulting in a customised Energy Calculator within the Green Star – Healthcare PILOT. It assesses all healthcare facilities equitably, independent of size or location, on their potential greenhouse gas emissions during operation.



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# GREEN STAR - HEALTHCARE PILOT: CATEGORIES & CREDITS

## Management

- Green Star Accredited Professional
- Commissioning - Clauses
- Commissioning - Building Tuning
- Commissioning - Commissioning Agent
- Building Users' Guide
- Environmental Management
- Waste Management
- Construction Indoor Air Quality Plan
- Building Management Systems

## 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
- Comfort Control
- Asbestos
- Internal Noise Levels
- Volatile Organic Compounds
- Formaldehyde Minimisation
- Mould Prevention
- Exhaust Riser
- Air Distribution System
- Outdoor Pollutant Source Control
- Places of Respite

## Energy

- Energy Improvement
- Car Park Ventilation
- Electrical Sub-Metering
- Lighting Zoning and Control
- High Efficacy External Lighting
- Peak Energy Demand Reduction
- Medical Equipment Efficiency
- Stairs

## Transport

- Provision of Car Parking
- Small Parking Spaces
- Cyclist Facilities
- Proximity to Public Transport
- Pedestrian Routes

## Water

- Occupant Amenity Potable Water Efficiency
- Water Meters
- Landscape Irrigation Water Efficiency
- Cooling Tower Water Consumption
- Fire System Water Consumption
- Potable Water Use for Equipment Cooling

## Materials

- Recycling Waste Storage
- Reuse of Façade
- Reuse of Structure
- Recycled-Content Products & Materials
- Recycled Content of Concrete
- Recycled Content of Steel

- PVC Minimisation
- Sustainable Timber
- Flooring
- Ceilings, Walls & Partitions
- Joinery
- Loose Furniture
- Design for Disassembly

## Land Use & Ecology

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

## Emissions

- Refrigerant ODP
- Refrigerant GWP
- Refrigerant Leak Detection
- Refrigerant Recovery
- Cooling Towers
- Watercourse Pollution
- Insulant ODP
- Reduced Flow to Sewer
- Trade Waste Pollution
- Light Pollution
- Airborne Emissions

## Category Weightings

Management	9%
IEQ	20%
Energy	24%
Transport	7%
Water	13%
Materials	19%
Land Use & Ecology	5%
Emissions	3%

**TOTAL:**

**100%**

## PILOT Process

The Green Star - Healthcare PILOT is 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.

Beginning with the Green Star – Shopping Centre Design tool, 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. As the Green Star – Healthcare tool has only one sponsor, the GBCA is open to other members nominating projects to go through the formal PILOT assessment process.

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



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