With thanks to our Future Focus Partners

Silver Partners

![Frasers Property Logo](image1.png)

![Landcom Logo](image2.png)

![WSP Logo](image3.png)

Technical Partner

Supporting Partners

![Bluescope Logo](image4.png)

![Daikin Logo](image5.png)

Formerly Liberty OneSteel

![InfraBuild Logo](image6.png)

![Sekisui House Logo](image7.png)

Green Star Developed by the Green Building Council of Australia
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Transforming the built environment

From its humble beginnings in 2003 as a rating tool for the design of office buildings to its evolution as a rating tool for the design, construction and operations of buildings, fitouts and communities, Green Star continues to be at the heart of the transformation of the built environment.

As a voluntary mechanism, it has to demonstrate real benefits to industry. This report is the first in a series of documents that will be released this financial year showing the impact of Green Star. In this report, we provide a broad overview of our achievements to date, and tell you about our plans for the future.

We’ve also taken the opportunity to ask the team for some of their favourite projects this year, which we’ve highlighted throughout this document.

We’re excited by the support we have received on our Green Star Future Focus program. We’re also excited about the hundreds of projects that have registered and are still on the path to certification. All of these projects are building the future, and we are excited that Green Star is there to help communicate your achievements.

“Green Star continues to move the built environment forward. While there are big changes coming, what we do today matters more than ever”

Davina Rooney
Chief Executive Officer
Green Building Council Australia
Achievements to date

“The ANZ tower in Liberty Place is one of now many examples of buildings that have a rating for its design, construction, and operational performance. It is an incredible achievement.”

Sonia De Almada
Green Star Operations Manager
Green Building Council Australia
Certifications to date

Green Star rating tools continue to be used by hundreds of projects a year.

As of the end of June 2019, more than 2,350 Green Star certifications have been issued across close to 2000 assets in Australia.

These certifications are coming in all shapes and sizes, from office buildings, to retail fit outs, airports, university campuses, public buildings, and everything in between.

In a nutshell,

- 40% of CBD office space is Green Star certified
- 40% of retail space is Green Star certified
- 6% of the workforce head to a green office each day
- 1.3 million people visit a Green Star-rated shopping centre each day
- 60,000 people live in Green Star-rated apartments
- 480,000 people are moving into 43 Green Star rated communities

1Source: MSCI / PCA Green Property Index 2018
From offices to hospitals and from apartments to universities, Green Star has driven real transformation in new buildings of all sizes and sectors.

As the most widely used holistic rating system in Australia, Green Star – Design & As Built’s success is unmatched. Its nine categories are well known by everyone in industry, and the certification is a mark of quality used by corporates, tenants, developers, builders, and consultants to showcase their leadership.

Certified projects by sector for new buildings and major refurbishments:

- Office, 57.6%
- Industrial, 6.5%
- Retail, 5.5%
- Accommodation, 0.5%
- Childcare, 0.1%
- Healthcare, 1.4%
- Tertiary education, 11.6%
- Public Building, 2.5%
- Railway Stations, 2.0%
- Residential, 9.6%
- Retirement living, 0.4%
- Schools, 2.2%
Green Star is having an impact at the precinct scale.

Green Star – Communities is comprehensive. It covers social, economic as well as environmental issues.

As of June 2019, 43 projects have been certified through Green Star Communities.

These projects are found around Australia, and range from small infill developments to master-planned communities that will be home to 100,000 residents.

“"The variety of projects participating in Green Star – Communities demonstrates the rating tool's ability to adapt to different development types and deliver great outcomes to those that will live, work and play in those developments.”

Nick Alsop
Senior Manager – Market Engagement
Green Building Council Australia

<table>
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<th>Financial year</th>
<th>2015</th>
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<th>2019</th>
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<td>1</td>
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<td>6</td>
<td>15</td>
<td>11</td>
<td>5</td>
<td>43</td>
</tr>
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</table>

43 certified projects
Green Star – Performance has been taken up by the property sector since its release in 2014.

Green Star – Performance is used by building owners as a measure of how successfully they are managing their existing assets to their full potential.

Through our portfolio certification process, these and other organisations are benchmarking their operational performance and setting targets for improvements across hundreds of buildings every year.

Certifications per sector (includes recertifications)

<table>
<thead>
<tr>
<th>Sector</th>
<th>Cinema</th>
<th>Office</th>
<th>Dealerships</th>
<th>Retail</th>
<th>Health</th>
<th>School</th>
<th>Industrial</th>
<th>Public Building</th>
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<tr>
<td>Cinema</td>
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<td>323</td>
<td>4</td>
<td>449</td>
<td>2</td>
<td>1</td>
<td>230</td>
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</tr>
</tbody>
</table>

“Organisations are continuing to improve their assets year on year through Green Star – Performance”

Jamie Wallis
Senior Manager – Market Engagement
Green Building Council Australia
Retailers like Commonwealth Bank and Westpac have developed branch design standards around Green Star requirements. Part of this is to ensure the best possible customer experience for clients and staff.

Our volume certification program was also used at Barangaroo South, where the vision of the world’s most sustainable precinct comes to life. Many Barangaroo South retailers have achieved a rating using common features of the precinct thanks to the Volume Certification program.

These and other organisations are using our Volume Certification program to embed sustainability procurement throughout their assets in development.

The total number of assets certified, and the sectors they belong to, are described in this table:

<table>
<thead>
<tr>
<th>Sector</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bank Branch</td>
<td>36</td>
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<tr>
<td>Industrial</td>
<td>41</td>
</tr>
<tr>
<td>Restaurant</td>
<td>28</td>
</tr>
<tr>
<td>Childcare</td>
<td>1</td>
</tr>
<tr>
<td>Retail</td>
<td>10</td>
</tr>
<tr>
<td>Railway station</td>
<td>1</td>
</tr>
<tr>
<td>Health Fitout</td>
<td>3</td>
</tr>
<tr>
<td>Office Fitout</td>
<td>5</td>
</tr>
</tbody>
</table>
Green Star adoption

“The University sector continues to lead in creating inviting and functional spaces that serve the needs of their community. Their continuous dedication to sustainable research and practice extends through to the design and delivery of the physical spaces they occupy.”

Eva Zhang
Senior Technical Coordinator
Green Building Council Australia

RMIT New Academic Street, VIC
6 Star Green Star – Interiors PILOT
Green Star in Australia

Green Star continues to be the rating tool of choice for the built environment in Australia.

2,353 certifications (As of June 2019)*

603 upcoming certifications (As of June 2019)*

398 certifications (FY2019)

337 certifications (FY2018)

*across close to 2000 buildings, fitouts, and communities.
Government leadership

We are proud to work with local governments around Australia to collaboratively lead the development of healthy, resilient and positive places and communities.

In partnership with our 42 leading local government members we are continuing to demonstrate the transformational change that can be delivered through local leadership.

Creating sustainable places

Local governments have created 274,000 m² of Green Star certified space across Australia.

Where dual ratings were achieved for a single project, the projects was only counted once.

Demonstrating leadership

More local government certified projects achieve a 5 star Green Star (Australian Excellence) rating compared to all Green Star projects.

Cutting greenhouse gas emissions

Local government Green Star rated buildings are designed and built to produce 49% fewer greenhouse gas emissions on average than standard new buildings.

- The potential annual savings to greenhouse gas emissions from local government Green Star certified buildings equates to 31,000 cars removed from our roads each year.
- Green Star certified buildings can save the equivalent of 5,580 average households electricity use annually.
Green Star overseas

While Green Star is proudly Australian, other Green Building Councils have adopted it and made it their own. We are proud to call them partners in our journey to improving the built environment worldwide.

Adopted since 2007, Green Star NZ has influenced how buildings and fitouts are built in New Zealand. Thanks to the leadership of the New Zealand Green Building Council (NZGBC), the country values highly the power of certified assets, expanding into the residential sector with Homestar, their own rating system for homes.

To date, more than 160 Green Star certifications have been awarded to projects in New Zealand by NZGBC.

Our relationship with NZGBC continues to be a strong one, with NZGBC adopting Green Star – Communities in the country. Already a number of organisations are rating precincts using the Communities rating tool. Likewise, Green Star – Performance has been adopted and used.

Green Star was adopted in 2008 by GBCSA. Since then it has expanded to cover all aspects of the rating system. GBCSA have also expanded on Green Star to include a socio-economic category, a first for the system, and introduced a net zero certification scheme.

To date, 452 Green Star certifications have been awarded to projects throughout the African continent by the GBCSA.

The majority are New Build and Existing Building Performance ratings, but also include 11 Net Zero certifications, one Sustainable Precinct rating and 28 Interiors Ratings. Whilst the majority of these ratings are in South Africa, ten of the certifications represent green buildings across Africa, with projects in Ghana, Namibia, Kenya, Tanzania, Rwanda and Mauritius.
The value of Green Star

“The volume certification program has yielded immense value to organisations looking to drive sustainability at scale. This branch is just a small example of what is possible.”

Nick Baker
Technical Coordinator
Green Building Council Australia

Westpac North Sydney Branch, NSW
6 Star Green Star – Interiors v1.1 Volume Certification
Since 2003, Green Star has been improving the places where Australians live, work, and play:

- **60,000** people living in Green Star rated homes and apartments
- **725,000** people working in Green Star rated offices
- **480,000** more people living in Green Star rated communities

When compared to buildings constructed to meet minimum standard\(^1\), Green Star rated buildings are designed and built to:

- **Produce** 55% fewer emissions
- **Use** 66% less electricity
- **Use** 51% less water
- **Recycle** 96% of waste

\(^1\)A building built to the national construction code applicable at the time.
Emissions reduction in Green Star rated buildings

Based on the 681 new buildings certified as of October 2018, Green Star certified buildings are designed and built to produce 55% fewer greenhouse gas emissions than a typical building.

All new Green Star rated buildings and fitouts are required to do better than legislation by at least 10%. However, most Green Star rated buildings do much better than that.

For a 30,000m² building, a 47% reduction in greenhouse gas emissions equates to close to a savings of around $400,000 dollars per annum over that of a typical building. That means the savings from 5 and 6 stars are even bigger, making Green Star a valuable mechanism to guarantee savings long term.
Emissions reduction in Green Star rated buildings

To meet our future commitments, we are putting Green Star on a Carbon Positive path.

As part of our commitments to addressing climate change, we released ‘A Carbon Positive Roadmap’. This document outlines how Green Star, and the built environment, must change to ensure it is on a pathway to meet the 1.5°C trajectory target set out in the Paris Agreement.

This means that from 2020 onwards, new 6 star rated buildings under new versions of our rating tools must be net zero in operations to get a rating. Future updates will push this requirement to 5 and 4 star ratings.

Our overall target? All new buildings net zero by 2030, all existing buildings by 2050.

Thanks to our Carbon Positive Partners
Green Star & emissions reductions quick facts

As of October 2018,

- **681** new buildings
- **15.3m** square meters
- **55%** average emissions reduction
- **840m** kgCO\(_2\)e emissions avoided per year\(^1\)

This is equivalent to\(^2\):

- **12,522,943** tree seedlings grown for 10 years
- **4,132** railcars’ worth of coal avoided
- **160,796** passenger vehicles driven for one year avoided
- **90,690** homes’ energy use per one year

\(^1\) Calculation assumes on average Green Star rated buildings use 55kg CO\(_2\) per m\(^2\) per year less than a typical building

\(^2\) Conversion source, https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator
The benefits of Green Star

Green Star rated buildings provide immense value to owners, tenants, occupants, and investors.

Green Star rated buildings deliver a 5.6% premium in value and a 13.4% premium in net income.¹

Increased tenant demand is reflected in lower vacancy rates for Green Star rated buildings, with an 26.4% increase in Weighted Average Lease Expiry.¹

Research out of the US in 2018 found that by designing for the occupant, owner-occupants and tenants can gain $3,395 per employee in annual profit.²

Investors need to have faith in the reliability of the ‘Sustainability’ of the underlying assets. Building certification provides this.³

Our members agree, the main economic benefits of Green Star certification are⁴:

- Ability to create a better performing buildings
- Lower operating costs (energy costs, total lifecycle costs)
- Improved occupant health and well-being
- 60% of members estimate the payback period for Green Star is 5 years or less

¹ Source: MSCI/PCA Green Property Index 2018. Figures show Green Star (CBD) vs all office (CBD)
² Source: Stok – The Financial Case for High Performance Buildings 2018
⁴ GBCA 2018/2019 member survey
Cost of Green Star

Delivering Green Star rated buildings makes economic sense.

On average, building owners are achieving Green Star Design & As Built ratings with 2.5% of their overall project budgets. Green Star – Communities ratings for residential developments are being delivered for 0.5% of the project budget. Interiors ratings are being delivered for an average of 5.1% of the project budget.\(^1\)

A more detailed breakdown\(^2\) shows the more mature the market (left hand side), the lower the costs.

<table>
<thead>
<tr>
<th>Office 1.7%</th>
<th>Education 0.8%</th>
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</thead>
<tbody>
<tr>
<td>4 star Green Star 0.5%</td>
<td>4 star Green Star 0.8%</td>
</tr>
<tr>
<td>5 star Green Star 1.7%</td>
<td>5 star Green Star 0.6%</td>
</tr>
<tr>
<td>6 star Green Star 1.9%</td>
<td>6 star Green Star 1.3%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Industrial 2.3%(^3)</th>
<th>Residential 5.2%</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 star Green Star 0.7%</td>
<td>4 star Green Star 0.3%</td>
</tr>
<tr>
<td>5 star Green Star 2.5%</td>
<td>5 star Green Star 6.0%</td>
</tr>
<tr>
<td>6 star Green Star 1.9%</td>
<td>6 star Green Star 5.9%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Retail 1.7%</th>
<th>Public building 4.3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 star Green Star 1.7%</td>
<td>5 star Green Star 2.9%</td>
</tr>
<tr>
<td>6 star Green Star 1.6%</td>
<td>6 star Green Star 6.1%</td>
</tr>
</tbody>
</table>

For Design & As Built projects in the office sector, the total cost of Green Star is 29% lower than for those using the legacy office rating tools (Green Star – Office Design and Green Star – Office As Built) ($40/m\(^2\) versus $56/m\(^2\)). The sample size for other sectors is not yet large enough to make this comparison.

\(^1\) Green Star - Performance ratings are frequently being delivered as portfolios, which makes is difficult to calculate the individual cost per building.

\(^2\) Based on a sample of 98 projects, as at June 2019.

\(^3\) Data shows Green Star ratings for industrial facilities become less costly as teams become more familiar with the rating tool.
## Most used credits

The following credits are commonly achieved by 75% of all new building projects:

<table>
<thead>
<tr>
<th>Credit</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Acoustic Comfort - Internal Noise Levels</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Acoustic Comfort - Reverberation</td>
<td></td>
<td></td>
<td>●</td>
</tr>
<tr>
<td>Adaptation and Resilience - Implementation of a Climate Adaptation Plan</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Building Information - Building Operations and Maintenance Information</td>
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<td></td>
<td>●</td>
</tr>
<tr>
<td>Building Information - Building User Information</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Commissioning and Tuning - Building Commissioning</td>
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</tr>
<tr>
<td>Commissioning and Tuning - Building Systems Tuning</td>
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<tr>
<td>Commissioning and Tuning - Environmental Performance Targets</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Commissioning and Tuning - Independent Commission Agent</td>
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<tr>
<td>Commissioning and Tuning - Services and Maintainability Review</td>
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<tr>
<td>Commitment to Performance - End of Life Waste Performance</td>
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<tr>
<td>Commitment to Performance - Environmental Building Performance</td>
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<td>Construction and Demolition Waste - Percentage Benchmark</td>
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<tr>
<td>Ecological Value - Ecological Value</td>
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<td>Green Star Accredited Professional - Accredited Professional</td>
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<td>Greenhouse Gas Emissions - Comparison to a Reference Building Pathway</td>
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<td>●</td>
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<tr>
<td>Indoor Air Quality - Exhaust or Elimination of Pollutants</td>
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<td>●</td>
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<tr>
<td>Indoor Air Quality - Provision of Outdoor Air</td>
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<td>Indoor Pollutants - Paints, Adhesives, Sealants and Carpets</td>
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<td>Life Cycle Impacts - Comparative Life Cycle Assessment</td>
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<td>Lighting Comfort - Minimum Lighting Comfort</td>
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<tr>
<td>Operational Waste - Performance Pathway - Specialist Plan</td>
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<table>
<thead>
<tr>
<th>Credit</th>
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<tr>
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<tr>
<td>Peak Electricity Demand Reduction - Performance Pathway</td>
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<td>Potable Water - Fire System Test Water</td>
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<tr>
<td>Potable Water - Landscape Irrigation</td>
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<tr>
<td>Potable Water - Potable Water - Performance Pathway</td>
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<td>●</td>
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<tr>
<td>Potable Water - Sanitary Fixture Efficiency</td>
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<tr>
<td>Quality of Amenities</td>
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</tr>
<tr>
<td>Responsible Building Materials - Permanent Formwork, Pipes, Flooring, etc</td>
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<td>●</td>
<td>●</td>
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<tr>
<td>Responsible Building Materials - Timber Products</td>
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<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Responsible Building Practices - Environmental Management Plan</td>
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<tr>
<td>Responsible Building Practices - Formalised EMS</td>
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<tr>
<td>Stormwater - Stormwater Peak Discharge</td>
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</tr>
<tr>
<td>Stormwater - Stormwater Pollution Targets</td>
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<td>●</td>
</tr>
<tr>
<td>Sustainable products - ceilings, walls, and partitions</td>
<td>●</td>
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<td>●</td>
</tr>
<tr>
<td>Sustainable products - flooring</td>
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<tr>
<td>Sustainable products - furniture</td>
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<tr>
<td>Sustainable Products - Product Transparency and Sustainability</td>
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<td>●</td>
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<tr>
<td>Sustainable Sites - Reuse of Land</td>
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<tr>
<td>Sustainable Transport - Access by Public Transport</td>
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<td>●</td>
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<tr>
<td>Sustainable Transport - Active Transport Facilities</td>
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<td>●</td>
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<tr>
<td>Sustainable Transport - Performance Pathway</td>
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<td>Sustainable Transport - Reduced Car Parking Provision</td>
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<td>Thermal Comfort - Thermal Comfort</td>
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<td>Visual Comfort - Glare Reduction</td>
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<td>Visual Comfort - Views</td>
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</table>
Rating tools and other developments

“The Macquarie Street Hotel in Tasmania shows that the hospitality sector is ready to embrace certification, and use it to differentiate their product and service from others in the market.”

Eva Zhang
Senior Technical Coordinator
Green Building Council Australia

Macquarie Street Hotel, TAS
5 Star Green Star – Design & As Built v1
From the construction code to railway stations

In addition to continuing our successful certification activities we had some big achievements this past year.

Green Star and the National Construction Code
A years’ long effort to update the National Construction Code paid off, with the 2019 version introducing a significant increase in energy efficiency for non-residential buildings.

And for the first time, the new code recognizes Green Star and NABERS as solutions that can be used to demonstrate compliance against energy efficiency targets.

Carbon Neutral Certified
Through Green Star – Performance, and in partnership with the Australian Government’s Climate Active Initiative, we have certified the first two industrial carbon neutral buildings in Australia.

Railway Stations
In March this year we released a version of Green Star – Design & As Built for railway stations. This rating tool was based on our Green Star – Custom rating tools developed for Regional Projects Victoria and the Level Crossings Removal Authority. The rating tool has been available for use since March 2019.

“We always look for opportunities to work with industry to create more value with Green Star. These activities aimed to do just that.”

Taryn Cornell
Green Star Technical Manager
Green Building Council Australia
“Seeing Green Star adopted in projects as diverse as level crossing removals is a powerful testament to the value of certification. Verified outcomes matter.”

Taryn Cornell
Green Star Technical Manager
Green Building Council Australia
“Partnering with NABERS and the Department of the Environment and Energy to deliver Carbon Neutral Certification means Australia has an aligned approach to addressing a building’s climate change impacts.”

Deejan Ferrao
Technical Advisor
Green Building Council Australia
Providing a quality service

“Few things are more iconic than an Australian swimming pool in the summer. Combine that with strong sustainability credentials and you can see why this is a winner”

Lyanna Ros
Technical Coordinator
Green Building Council Australia

Scarborough Beach Pool, WA
6 Star Green Star – Design & As Built v1.1
To deliver a quality built environment, you need a quality rating system

We operate a quality management system which is certified against the requirements of ISO 9001:2015 for the development, upkeep and delivery of Green Star Certification.

As the only holistic rating tool for the built environment with a registered certified trademark with the ACCC, we stand behind what we say.

“Our goal this year is to continue delivering a quality service. We know the better your experience, the better the outcomes for the built environment. We aim to make sure the Green Star Solutions team delivers on just that.”

Nicole Sullivan
Senior Manager – Green Star Solutions
Green Building Council Australia
Satisfaction with Green Star

There has been a steady increase in satisfaction with Green Star over the last seven years, represented by green, as well as a steady decrease in dissatisfaction, represented by the grey bars.

It’s not just the numbers alone that tell a story, comments received during our yearly 100 person strong satisfaction survey tells the same story:

The experience of using Green Star continues to improve.

“Working with all of you is one of the reasons why this job is so rewarding. Ensuring your Green Star experience is the best it can be is what we think about every day.”

Sonia De Almada
Green Star Operations Manager
Green Building Council Australia
Improving Green Star today

As we look towards the future, we continue to improve how we do things today.

Our goal is simple: to continue improving your submission experience, improve the technical clarity of the rating system, and enhance our digital systems. All this is being done to ensure those using our current rating tools get the best Green Star experience ever.

1. Technical clarity
   - Cold shell guidance
   - Guide for industrial buildings
   - Guide for apartments

2. Submission experience
   - Sample submissions
   - Annual report
   - Design Review guidance

3. Digital experience
   - Green Star Portal improvements
   - Progress tracking
   - One step submission
Additional activities

“Delivering your sustainability aspirations through Green Star is a simple way to show your stakeholders that you walk the talk. Taronga zoo has done just that with this building.”

Anna Hendricks
Technical Coordinator
Green Building Council Australia
Educating the industry

We have listened to feedback from industry and have revised our training courses to deliver skill based knowledge.

We now offer both an introductory day and a separately bookable advanced day to meet greater knowledge needs.

The Introduction Day is ideal for those newer to sustainability, those who want to learn about the rating system as a whole, or those who want to gain an understanding of the business benefits derived from using the Green Star rating tools.

The Advanced Day arms you with knowledge and expertise in a particular Green Star rating tool.

311 participants have attended our Green Star Introduction day

298 participants attended our Advanced days across all rating tools

“Our focus this year was to build a strong base that industry could learn from. At every stage, we aimed to ensure participants had a deep understanding of Green Star and could reap the benefits.”

Nicola Scudamore
Senior Manager – Events and Professional Development
Green Building Council Australia
New ways to promote Green Star

From reports to our brand new plaques, to media releases and case studies. We continue to provide valuable information to transform the built environment.

**Green Star and Healthcare**

In partnership with the New Zealand Green Building Council we released a document outlining the benefits that Green Star can bring to the healthcare sector.


**Green Star guide for local government**

To help drive better outcomes in the local government sector, we’ve created an informative brochure outlining local government leadership in this space.

The document can be found here: new.gbca.org.au/advocacy/local-government/

**New plaques and look for our ratings**

In 2018, the GBCA launched its Green Star Certified plaque. The plaque is available for purchase by all Green Star projects which achieved a 4, 5 or 6 Star Green Star certification.

We are also in the midst of developing brand new decals for your buildings. These decals are based on our new look, and help provide a stylish way of promoting your achievements.

You will also see this look spread throughout our marketing as time goes forward.
Our case study library

As part of our promotion of our certified projects, we have published a plethora of case studies.

These case studies represent the best of the best, and provide valuable information that can help you understand the challenges and benefits of green buildings, fitouts, and communities.

Volume Certification, Commonwealth Bank

105 Phillip Street, Charter Hall and Dexus

Improving through Green Star – Performance, Vicinity Centres

Commitment to Green Star, The Star Entertainment Group

Net Zero through Green Star, Sydney Opera House

Yahoo 7 workplace, Yahoo7
For more information and to view more case studies, head to our website new.gbca.org.au/showcase/
“Reducing emissions, improving health, verifying outcomes. These are some of the reasons why companies choose Green Star rating for their fitout.”

Diveshen Gengiah
Technical Coordinator
Green Building Council Australia
Green Star, at your service

Our Market Transformation team is here to help you with all your needs. From registering a project to securing certification, from strategic input, to navigating the rating system, we are a short email or phone call away.

- Davina Rooney  
  Chief Executive Officer

- Jorge Chapa  
  Head of Market Transformation

- Nicole Sullivan  
  Senior Manager Green Star Solutions

- Nick Alsop  
  Senior Manager Market Engagement

- Jamie Wallis  
  Senior Manager Market Engagement

- Elham Monavari  
  Senior Manager Strategic Projects

- Sonia De Almada  
  Green Star Operations Manager

- Taryn Cornell  
  Green Star Technical Manager

- Devan Valenti  
  Manager Future Focus

- Eva Zhang  
  Senior Technical Coordinator

- Emma Bezzina  
  Senior Technical Coordinator

- Dejan Ferrao  
  Technical Advisor

- Debbie Rousakis  
  Market Engagement Coordinator

- Nick Baker  
  Technical Coordinator

- Anna Hendricks  
  Technical Coordinator

- Diveshen Gengjah  
  Technical Coordinator

- Benita Charles  
  Technical Coordinator

- Lyanna Ros  
  Technical Coordinator

- Margaux Lovrich  
  Coordinator

- Tori Wouters  
  Team Admin

- Edwin Chu  
  Intern

- Green Star Solutions
- Market Engagement
- Strategic projects
Built by industry

From top directors, to leading thinkers, our governance is unmatched making Green Star the leading rating tool for the built environment.

Green Star Advisory Committee

- Tanya Cox
  Board member (Chair)

- Chris Wheeler
  KWM

- Simon Corbell
  Energy Estate

- Jennifer Saiz
  Commonwealth Bank

- David Clark
  Cundall

- Dorte Ekelund
  SMEC

- Andrew Cole
  Lendlease

Technical Advisory Group

- David Clark — Cundall (Chair)
- Barbara Nebel — Thinkstep
- Gerard Healey — University of Melbourne
- Greg Johnson — Stockland
- Leena Thomas — University of Technology
- Rob Johnson — Liberty Steel
- Robyn Hyslop — Lendlease
- Stefan Preuss — Office of the Victorian Government Architect
- Sam Archer — NZGBC

Industry Advisory Group

- Andrew Cole — Lendlease (chair)
- Alicia Maynard — ISPT
- David Waldren — Vicinity
- Greg Ryan — Landcorp
- James Vesper — Goodman
- Margot Black — Charter Hall
- Rich Palmer — Integral Group
- Sarah Reid — City of Melbourne
- Simon Wilson — RDT Pacific (NZGBC)
Our independent assessment panel

Our Certified Assessors are knowledgeable and have experience in the green building industry.

Our certified assessors guarantee independence and robustness, and their work continues to be key to the transformation of the built environment.

Adriaan Window, AECOM, QLD
Anne Kovachevich, Arup, QLD
Ben O’Callaghan, Ecomplish Sustainability, QLD
Chris van der Pol, Vision Design Planning, QLD
Conor Rawlins, Full Circle Design Services, WA
Damon Cuming, Cundall, VIC
Deborah Davidson, dsquared Consulting, SA
Gerard Healey, University of Melbourne, VIC
Graham Agar, Full Circle Design Services, WA
Hayley Koerbin, NDY, VIC
Ian Adams, Organica Engineering, VIC
Inge Diamond, Eco3, NSW
John Moynihan, Ecolateral, QLD
Jonathan Dalton, Viridis, QLD
Karen Hovenga, Karen Hovenga Sustainability Consulting, VIC
Kim Featherston, NDY, NSW
Kristie Martin, Viridis, ACT
Lewis Hewton, Cundall, SA
Lisa Hinde, JLL, QLD

Nick Stokoe, Cundall, SA
Paolo Bevilacqua, Frasers Property, NSW
Patrick Campbell, Hutchinson Builders, QLD
Paul Davy, dsquared Consulting, SA
Peta Earley, NDY, WA
Phil Donaldson, SustainSA, SA
Prasanna Suraweera, WGE, WA
Quentin Jackson, Aurecon, QLD
Rory Eames, Brevet, NSW
Tony Watson, Sustainable Future Group, NSW
Zofia Kuypers, Aurecon, NSW
Our Expert Reference Panels
When we need help, we know whom to call

Greenhouse Gas Emissions
Adriaan Window, AECOM
Alison Read, National Australia Bank Ltd
Andrew Thai, Frasers Property
Chris Nunn, AMP
David Barker, Integral Group
David Clark, Cundall
Dennis Lee
Esther Bailey, City of Sydney
Hannah Blossom, Irwinconsult
Karla Fox-Freymonds, Curtin University
Komai Yennetti, University of New South Wales
Michelle Brownlie, WSP Australia
Patrick Campbell, Hutchinson Builders
Paul Bannister, Energy Action
Quentin Jackson, Aurecon
Richard Selbert, NBY

Life Cycle Assessment
Choonghan Yeo, ALDI
Darryl Stuckey, Lendlease
James Logie, WSP
Jeff Vickers, thinkstep
Jonas Bengtsson, Edge Environment
Judith Schinabeck, GECA
Lewis Hewton, Cundall
Phye Ibbotson, Mirvac

Place-Making
Abigail Campion, JLL
Ben O’Callaghan, Ecomplish Sustainability
Dominique Hes, University of Melbourne
Jeff Robinson, Aurecon
Katherine Featherstone, Stockland
Lucinda Hartley, CoDesign Studio
Michael Stokoe, Transport for NSW
Paul Stoller, Atelier Ten
Rory Martin, Frasers Property
Sharon Veale, GML Heritage

Resilience
Clare Parry, Grün Consulting
Greg Johnson, Stockland
Hannah Morton, Cundall
Jeremy Mansfield, Lendlease
Jonathan Fox, UNSW
Marc Gillespie, Vicinity Centres
Rebecca Miller, AECOM
Robert Turk, Arup
Steven McKellar, City of Port Philip
Tom Davies, Insurance Council
Troy Powell, Telstra Corporation

Human Rights
Amira Hashemi, Frasers Property Australia
Christina Hughes, Abacus Group
Clare Gallagher, Built
Libby Staggs, Sustainable Business Matters
Nathan Robertson-Ball, CBA
Nicole Thompson, Edge Environment
Rikki-Lea James, WSP
Stephan Gabadou, KPMG
Zoe Koskinas, Lendlease

Ecology & Biodiversity
Austin O’Malley, Eco Logical Australia
Ian Adams, Organica Engineering
James Fitzsimons, The Nature Conservancy
Jessica Holtz, Aurecon
Joana Almeida, Edge Environment
Kristie Martin, Viridis Australasia
Sean Holmes, WSP
Vicky Critchley, Elton Consulting

Community Planning and Engagement
Jess Stewart, Riverview Projects
Karen Woo, Frasers Property
Lauren Kajewski, Landcom
Matthew Pike, Full Circle Design
Nellie O’Keeffe, Grocon
Oliver Grimard, Cundall
Rod Brown, PTW
Orlando Harrison, Tract
Matthew Napper, Stockland
Samantha Peart, Development Victoria
Roger Swinbourne, Arup
Andrew Mackenzie, AILA

Health and Wellbeing
Adam Garnys, CETEC
Alexander Kobler, Wood & Greve
Ben Gibbs, WSP
Christina Candido, University of Sydney
Emma Mcmahon, CBRE
Haris Moraitis, HKA
Jeremy Henry, Somfy Ptd Limited
Lisa Marion, CBA
Lucy Pullin, Mirvac
Natalie Cahill, Cundall
Philippa Socco, University of Melbourne
Sue Solly, Geyer
Sean Kahn, Frasers

Building Developments and Contracts
Claire Hashman
Darren Tech, AMP capital
David Collins, Cundall
Deborah Davidson, Dsquared
Graham Agar, FCDS
Lisa Hinde, JLL
Luke Kewell, Department of Planning, Transport & Infrastructure
Neil Caswell, ECS

Materials and Supply Chain
Esther Bailey, NABERS
Rob Johnson, Liberty Steel
Rod Vocker, Dulux
Kate Harris, GECA
David Baggs, Global GreenTag
Rob Kilgour, WSP
Stephen Mitchell, SMA Associates
Sophi MacMillan, Vinyl Council Australia
Our Future Focus

“Schools everywhere are learning of the many benefits of going Green Star. This project is a prime example of how considering sustainability at the start is the right approach to deliver better places for students to learn.”

Emma Bezzina
Senior Technical Coordinator
Green Building Council Australia

St Benedict’s Catholic School, Shaw, QLD
6 Star Green Star – Design & As Built v1.1
A future focus for Green Star

Global megatrends are reshaping our industry and the built environment. From climate and demographic change, to health and well-being, human rights, equity and resilience. These drivers are accelerating.

The delivery of the Green Building Council of Australia’s vision for healthy, resilient, and positive places for people and the natural environment demands that we respond to these megatrends and emerging challenges. It demands that we redefine what world leadership means for the built environment.

Our next review of Green Star—Green Star Future Focus—responds to these challenges; to redefine what a sustainable built environment should look like for the next decade. Green Star Future Focus will provide Australia with a new shared vision, principles and aspirations, to help build a sustainable future.

“We say it often, Green Star is built by industry and for industry. We are heartened by your support as we embark on a project to transform the built environment once again.”

Elham Monavari
Senior Manager – Strategic Projects
Green Building Council Australia
The Future Focus program of works

Green Star Future Focus represents our broad vision for the future.

It aims to deliver a rating system that will enable you to deliver better outcomes for your buildings, fitouts and communities, and accelerates our trajectory towards a positive built environment.

Four new rating tools are proposed:

Consultation paper release

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<th>Release date</th>
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Release date

<table>
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<tr>
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<td>Mid 2020</td>
<td>Late 2020</td>
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<td>2021</td>
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We are also exploring whether there is appetite from industry for rating tools for existing communities and fitout performance.

*names as indicated are suggested and subject to change
What Future Focus brings to the market

Future Focus is being designed to meet the challenges of the next decade.

From setting the built environment on a pathway to eliminating carbon emissions, to providing an expanded scope on social issues, the new rating tools will push the built environment to do better than ever before.

Meets the targets in the Paris Agreement
The GBCA Strategic Plan emphasises carbon emissions reduction in the built environment, and our Carbon Positive Roadmap sets the overarching framework for Green Star’s future trajectory, to ensure the built environment is on a 1.5°C trajectory. As a result, carbon benchmarks in the current Green Star rating tools will be recalibrated. Market expectations have evolved too, with world leading ratings now expected to be at least net zero carbon.

Broadens its scope to address contemporary issues
We will continue to challenge the industry to consider issues that will impact assets in the future. Some of the trends facing our industry are outside the current scope of Green Star. But not for long, as Future Focus brings these issues – from modern slavery to health and wellbeing, and from resilience to place-making – into focus.

Demands higher level of sustainability leadership
Claiming world leadership in sustainability will get more challenging, as we ramp up the requirements. Future Focus will drive the top one percent of buildings, fitouts and communities to do better – because we know the market leaders will rise to the challenge.

Drives operational performance
Operational performance plays a central role in any sustainable project, particularly when it comes to addressing climate change. For this reason, we are taking further steps to reward projects that continue their efforts past practical completion.

Promotes exceptional achievements in specific areas
We want to celebrate and recognise exceptional achievements. This means introducing a new badge system to recognise achievements in specific issues, such as delivering a carbon positive building.

Clearly defines best practice
Every project that achieves a Green Star rating takes us one step closer to total transformation. Therefore, unlike in other revisions, we will retain the current level of difficulty for a 4 Star Best Practice rating. We will also set expanded and clear mandatory requirements, delivering on a clear definition of what a best practice project means for the built environment.

Improves language and communications
Green Star may tackle some highly technical issues, but that doesn’t mean it needs complex communication. Future Focus will clearly communicate outcomes achieved rather than issues faced. And we will use language that our users understand. This will help us – and you – reach more people and broaden Green Star’s appeal.

Streamlines the certification and assessment process
We’re reviewing our certification and assessment process to find ways of streamlining the Green Star experience. Our goal is simplify the process while maintaining rigour and credibility. This means bringing Green Star online, and making better use of technology to reduce costs. We are also aiming to reduce the documentation costs, as the easier we make it to verify to Green Star, the more we can transform the built environment.
A new definition of a sustainable built environment

All new Green Star rating tools feature new categories. From a continued focus on eliminating carbon emissions, to issues related to improving the lives of people, the new categories represent opportunity to showcase value that is relevant to you and your stakeholders.

**RESponsible**
Recognises activities that ensure the building is designed, procured, built, and handed over in a responsible and considered manner.

**Positive**
Drives the creation of better buildings by focusing on the key environmental issues of reducing carbon emissions, minimising water consumption, and addressing the environmental impact of materials.

**Nature**
Addresses the disconnect between buildings and nature by encouraging active connection to nature rather than passive, as well as creating opportunities to work with cities to deliver new natural corridors and green spaces in cities.

**Healthy**
Promotes actions and solutions that improve the physical and mental health of the occupants within.

**Places**
Requires the creation of safe, enjoyable, inclusive and comfortable places that are integrated to the broader urban fabric and serve as an enabler for communities to connect and thrive.

**Leadership**
Recognises projects that set direction, build a vision for industry or create something new. It will enable projects to contribute to building industry’s capacity to innovate.

**Resilient**
Ensures design, collaboration, and engagement solutions to short term shocks and long term stresses improve the capacity of communities, businesses and assets to continue, respond and thrive in the face of adversity.

**People**
Encourages solutions that address the social health of the community, and make buildings respect the rights and promote the value of people regardless of whether they occupy the building or not.

“From ensuring we are on a path to 1.5°C to expanding the definition of a sustainable built environment. We have ambitious goals, and thanks to all of your support and help, we will achieve them.”

Devan Valenti
Manager, Future Focus
Green Building Council Australia
Green Star for New Buildings is the working title for our new rating tool for new buildings and major refurbishments. An evolution of Green Star – Design & As Built, this is a universal rating tool, designed to address most building types, with the exception of single-family residential dwellings. Green Star for New Buildings aims to meet the demands of the next decade and beyond with aspirational benchmarks for design, construction and operational performance. It also provides a pathway for building owners to address carbon emissions over time.

**Consultation phase**
- Consultation paper released
- Work packages developed

**Development phase**
- Development program announced
- Consultants appointed
- Draft credits released

**Release phase**
- Release Green Star for New Buildings
- Promote release schedule
- Develop marketing materials

**March 2019**
- COMPLETE

**June 2019**
- ON TRACK

**July 2020**
- COMING SOON
Green Star for Communities is the evolution of our rating tool for precincts. The new framework underpinning Green Star for Communities matches global movements and initiatives, such as the Paris Climate Change Agreement, 100 Resilient Cities and the United Nations' Sustainable Development Goals – those that are increasingly on the radar of investors, governments and communities. It also matches the experience and lifestyle increasingly sought by an end user, and delivers assurance that they are the forefront of great precincts.

- Consultation paper developed and released
- Workshops with industry

**ON TRACK**

- Development program announced
- Consultants appointed
- Draft credits released

**COMING SOON**

- Release Green Star for Communities
- Promote release schedule
- Develop marketing materials

**COMING SOON**
Join the future

We have a track record of success. Come talk to us about opportunities to partner with us.

www.bit.ly/gs-futurefocus
“Delivering great places to live is one of our goals. From urban city projects, to projects in Townsville, Green Star is driving change in how we design, build, and operate the built environment.”

Benita Charles
Technical Coordinator
Green Building Council Australia
Thank You

gbca.org.au