



NABERS

Annual Report
2021–22





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Carlos Flores
Director of NABERS

Welcome

Welcome letter from Carlos Flores

Annual reports are naturally focused on the past. But the achievements of the last 12 months have laid the foundations for an industry moving towards decarbonisation at speed and scale.

Three central issues for Australia's built environment have crystallised over the last year – and the NABERS team has been hard at work to respond to each.

Firstly, nations around the world are beginning to look at **energy efficiency** through a new lens, as the demand for clean energy begins to rise. We desperately need electric vehicles and green hydrogen, but these will necessarily draw ever-growing amounts of electricity from the grid. Recent research from Australia and overseas is crystal clear: getting to net zero emissions will be incredibly hard unless we make our buildings drastically more energy efficient.

We also know measurement leads to better management. We have been working hard to expand NABERS into new sectors, so more buildings can be assessed for their environmental performance, and to enable governments to step in with policy support. In 2021, we rolled out NABERS rating tools for retirement villages and aged care, and we have just released NABERS tools for warehouses and cold storage. We are now laying the groundwork on ratings for schools and retail outlets, expected to be released in 2023.

Secondly, the scale of the **building electrification** challenge is beginning to dawn on many nations. Look around you: most homes and hospitals, schools, shopping centres, warehouses and workplaces you see will need to electrify in the next two decades. Even governments with world-leading building electrification policies, such as Germany, are concerned about achieving this task in the next two decades. Electrifying buildings will be one of the largest challenges on Australia's road to net zero emissions, and we need to do more to ramp up our efforts.

Many of you recognised the magnitude of this challenge, and championed changes to NABERS to better recognise the increasing benefits of all-electric technologies due to rapid decarbonisation of the grid. In response, we made changes to NABERS which systematically encourage and reward buildings that electrify. Every five years we will update the emission factors used in the NABERS algorithms, which will see the rating of all-electric buildings increase. Conversely, the NABERS ratings of buildings with major use of fossil fuels will decrease. The next change will be in 2025, and you can get an estimate of what this may mean [for your NABERS rating here](#).



Thirdly, the challenge of **embodied carbon emissions** in buildings looms large. As energy efficiency and electrification drive down operational emissions, the proportion of emissions from the manufacture and transport of materials for building construction will swell. Our colleagues at the Green Building Council of Australia (GBCA) have estimated that, by 2050, embodied emissions could account for up to 85% of emissions in the built environment, up from just 16% in 2019.

With no consistency in how embodied emissions are measured today, NABERS, in partnership with the GBCA, is developing a national standard to measure, compare and certify the embodied carbon footprint of buildings. We are engaging with hundreds of professionals across the building ecosystem – from designers to developers, lifecycle analysts to architects, product manufacturers to policymakers. We are currently working on the technical foundations of the standard, with a public consultation process expected later in 2022. The seeds sown this year will bear fruit next.

The Australian building sector has most of the ingredients needed for a sustainable revolution this decade, and everyone in the NABERS community has a role to play. We've built knowledge, networks and technology solutions. We've trained assessors and engaged suppliers. We've built business cases and policy frameworks. Most importantly, we've built momentum, so next year we can move further and faster than we did last year. We look forward to stepping up the pace together.



Francesca Muskovic
National Policy Director
at the Property Council
of Australia

Welcome letter from the Stakeholder Chair

Francesca Muskovic – Stakeholder Chair

The 2022 financial year is certainly not short of highlights in what represents another year of significant impact for the NABERS program and progress towards our strategic goals.

NABERS continues to move with our sector's leaders, and it is enormously exciting to see the team's early work on an embodied carbon framework. This will see our market well placed to lead globally on one of the next big challenges. As that work continues at pace, we are also readying to launch the Renewable Energy Indicator in early 2023 after a comprehensive design process and pilot phase. This innovation to NABERS will accelerate uptake of renewable electricity and provide the decision-making tools to speed the electrification of our buildings.

While many of NABERS' stakeholders will be familiar with this work, I would also like to acknowledge the 14% of NABERS customers who were new to the program in 2022. This is a significant achievement in growth and speaks to the diligent and intentional approach of the team to expand into new sectors and deepen coverage of NABERS' existing tools. From the launch of residential and aged care ratings last September to the upcoming launch of the warehouse and cold stores rating tool, it's been a busy year for sector expansion. Then there's the stellar growth in Waste for Offices (72%), Indoor Environment (34%) and Carbon Neutral (81%) ratings.

Significant efforts to support the ongoing take-up of NABERS in the UK are paying off and we are now letting our European friends in on the worst kept secret in building energy performance: NABERS is the best at what it does. The work of the team continues to ensure that NABERS remains a world leading program driving better sustainability outcomes for the built environment.

On behalf of the stakeholder members on NABERS' Steering Committee, I welcome you to the NABERS Annual Report 2021/22.



Lesley Dowling
General Manager,
Industrial Energy
Efficiency Branch
Department of Climate
Change, Energy, the
Environment and
Water

Welcome letter from Government Chair

Lesley Dowling – NABERS Steering Committee

The Australian Government is committed to reducing emissions by 43% by 2030 (on 2005 levels) and achieving net zero emissions by 2050.

In buildings, ratings and disclosure are essential to progress, driving improvements in energy consumption and emissions reduction. They also allow owners and tenants to promote their buildings' performance.

The Australian Government's Commercial Building Disclosure program, this financial year has seen almost 2,000 Building Energy Efficiency Certificates issued using NABERS Energy for Offices ratings, and buildings in the program achieving an average 7% reduction in MJ per square meter compared to previous ratings.

The Commonwealth support to expand NABERS into new sectors means more buildings can reduce their energy intensity with NABERS Energy ratings. I congratulate NABERS in expanding to the residential aged care and retirement living sectors in 2021, and now cold stores and warehouses. With retail and schools under development and more ratings available, I welcome NABERS' commitment to increase the uptake of ratings in their strategic plan.

I look forward to working with the members of the National Steering Committee and the wider NABERS community to increase the impact of NABERS going forward.

Major Achievements

9.9 million tonnes of CO₂ emissions saved over the last two decades, thanks to NABERS

NABERS has continued to gain new participants, by strengthening partnerships with our long-time champions and increasing uptake of ratings in many non-mandated sectors.

Some of this year's highlights include:

- 14% of our customers were new to NABERS
- 12.5% growth in shopping centre ratings
- 72% increase in Waste for Offices ratings
- 81% increase in Carbon Neutral ratings
- 34% increase in Indoor Environment ratings
- 12.5% increase in non-mandated ratings.

Maintaining market momentum

Renewable Energy Indicator ramps up

We stood shoulder-to-shoulder with the market in support of renewable energy and electrification and our work on the new Renewable Energy Indicator (REI) will recognise and reward the generation and purchase of renewable energy.

The REI will disclose the proportion of renewable energy used in a building on its NABERS rating certificate.

A pilot program over the year allowed 10 buildings to calculate their REI and display their results on a new certificate. We are incorporating feedback gleaned from the pilot and getting ready to launch in early 2023.

The Renewable Energy Indicator will soon be included in every NABERS Energy rating (and displayed on every NABERS Energy certificate) without an additional cost. This will add a new layer of transparency to the market and encourage healthy competition among building owners.

Upping the stakes on embodied carbon

As Australia's property and construction industry continues to drive down operational emissions at speed and scale, our attention turns to the next biggest source of carbon emissions: embodied or 'upfront' carbon. These could represent as much as 85% of Australia's built environment emissions by 2050, putting our collective net zero ambitions at risk. To support market transformation, NABERS is working with industry and governments across Australia to develop a world-leading framework to measure, compare and improve embodied carbon in new buildings. This national framework promises to boost transparency, enhance reporting and create demand for low carbon construction materials.

The framework is being developed in close partnership with industry, other states and the Australian Government. NABERS has engaged with more than 150 industry practitioners, academics, policymakers and industry association leaders, from nearly 100 organisations, to better understand obstacles and opportunities in the embodied carbon space. From this engagement, we know there is a collective desire within industry for a trusted and robust framework to compare, set targets and reduce embodied emissions in buildings and products. We look forward to working with the NABERS community and beyond to build a collective platform for robust, long-term and large-scale reduction of embodied emissions.

Stepping into new sectors

The Department of Climate Change, Energy, the Environment and Water (DCCEEW) has funded the expansion of NABERS to new sectors of the built environment.

Residential aged care and retirement living

The proportion of Australians aged 65 and over is growing rapidly, and by 2066 senior Australians will account for nearly a quarter (23%) of the population. Each and every one of these senior Australians deserve to live in a home that is safe, comfortable and sustainable.

On 8 September 2021, NABERS launched rating tools to help the residential aged care and retirement living sectors accelerate their path towards more sustainable operations. Striding forward into this sector with confidence required an extensive period of engagement and data-gathering. More than 48 organisations with 300-plus facilities were involved in the rating tool development, and we tested the benchmarks on 17 facilities during the pilot phase.

Since the launch, we have issued 36 NABERS Energy ratings and 31 NABERS Water ratings for the sector, while also training and accrediting 70 assessors.

NABERS Waste verification is also available for this sector.

Warehouses and cold stores

The pandemic taught us that warehouses and cold stores are the backbone of the global economy, securing food, goods and vaccine supplies at the toughest of times. Now, with the sector growing rapidly, leaders in these sectors are turning their attention to the global challenge of achieving net zero emissions.

A NABERS Energy rating tool for warehouses and cold stores was released in September 2022 to support the industry's efforts. We worked with 21 organisations and 159 facilities to collect benchmark data and tested the tool on 17 projects across a range of climate zones.

One of those leaders is Americold’s Director Peter Brice, who says: *“We embrace the positive impact that the NABERS rating tool will have on our temperature-controlled infrastructure. With a system to measure our environmental performance, we are better able to drive improvements, lower our emissions and contribute to a more sustainable future.”*

We have also accredited 72 assessors, and NABERS Perform – a new user-friendly online platform – will soon be available for assessors to rate these facilities.

NABERS Waste verification is also available for this sector.



Martin Brower Wetherill Park facility was one of the first buildings to participate in the warehouse and cold store pilot project. This building achieved an outstanding 4.5 star NABERS Energy rating.

Schools

More than four million Australians students attend school each day across a massive 9,581 schools. School leaders want to drive down energy, emissions and water use but they need the tools to help. Stakeholder consultation has started as we gather data from all types of schools, including government, systemic and independent schools. We will kick-start working groups for school stakeholders in October 2022. The rating tools are expected to be released in mid-2023.

Retail stores

Australian retailers have adapted to the shifting sands of the pandemic, as supply chains, business models and consumer preferences evolve rapidly. Amid all the change, there is one constant pressure: the push towards sustainable retail operations.

The data gathering process for retail stores is also underway, as we work with many retail sub-categories, from big box retail to department stores, outlets within shopping centres to street-

facing stores. An advisory panel will be established early next year with the rating tool slated for release in the 2023 financial year.

Waste verification tool

Australia generates an estimated 74.1 million tonnes of waste a year, of which nearly 22 million tonnes were produced by the commercial and industrial buildings sector. To help reduce this, this year we launched the NABERS Waste Verification tool for a wide array of sectors. The tool is designed so that you can report on your building's waste performance using a respected industry standard. By inputting data into the NABERS Waste Platform and verifying on-the-ground performance with a NABERS Waste Assessor, you will generate a report that enables you to prove your commitment to reducing your building's environmental footprint.

It is now available to:

- Apartment buildings
- Corrective services
- Data centres
- Hotels
- Office tenancies
- Overseas buildings
- Residential aged care and retirement living
- Warehouses and cold stores.

International partnerships

United Kingdom

In July 2022, Toronto Square in Leeds became the first office building certified under the NABERS UK rating tool, achieving an impressive 4.5 star NABERS Energy rating. The building's owner, Grosvenor, has also set a net zero by 2030 target. To reach that target, Grosvenor has committed that all its office buildings over 1,000 sqm will hold a NABERS UK rating above 4.5 stars by the end of 2025.



Sarah Ratcliffe, CEO, Better Buildings Partnership UK

Rachel Dickie, Grosvenor's Executive Director of Investment, has said: "NABERS UK plays an essential role in driving transparency and trust around environmental performance of the office market. It will soon be the preferred standard for holding investors to account and guiding how to improve existing assets."

Also in July 2022, at an event hosted by the Better Buildings Partnership in London, NABERS Director Carlos Flores announced NABERS UK's expansion to offer whole building and tenancy options.

The administrator of NABERS UK, BRE Global, has worked closely with NABERS in Australia and further achievements this year include:

- 35 NABERS UK Assessors licensed by BRE Global to undertake ratings for the UK market
- 190 NABERS UK training enrolments demonstrating strong interest from prospective assessors and others active in the sector
- 15 Design for Performance (DfP) projects – the UK equivalent of NABERS Commitment Agreements – were registered in addition to 14 pilot projects
- 600,000 sqm of office space is now covered by DfP projects.



Luke Menzel, CEO, Energy Efficiency Council, Sarah Ratcliffe, CEO, Better Buildings Partnership UK and Carlos Flores, Director, NABERS at the Better Building Partnerships event in London.

The NABERS UK scheme was created through a partnership between NABERS and the UK Better Buildings Partnership, and it is administered by BRE across the United Kingdom.

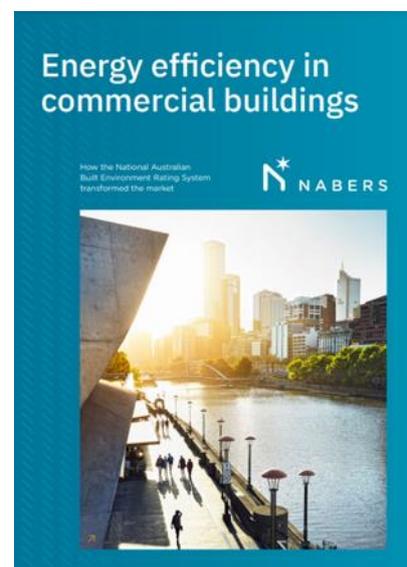
New Zealand

Across the Tasman, NABERS Energy for Offices ratings grew by 81% – from 58 to 105 ratings certified in just one year. This growth has been partly driven by the introduction of procurement requirements by the New Zealand Government, which now requires a NABERSNZ rating of 4 stars or higher when public sector agencies lease offices of 2,000 sqm or more. Work started on NABERSNZ Energy and Water for Hospitals and this new rating tool is due for completion in 2023.

The NABERSNZ scheme was created a decade ago, through a partnership between NABERS and the New Zealand Government’s Energy Efficiency and Conservation Authority (EECA). NABERSNZ is administered by the New Zealand Green Building Council.

New international guide to NABERS Energy

In response to high levels of interest from a range of markets, notably Germany, NABERS released a new guide to NABERS Energy. The comprehensive resource introduces the suite of ratings to policymakers and sustainability professionals, and shares key lessons from the last 24 years so others can consider the implications for their own region or country. [Access Energy efficiency in commercial buildings.](#)



Easy, anywhere assessment

Accelerating Net Zero Buildings

The NSW Government released a new energy efficiency program, which will use NABERS ratings to help reduce energy use in buildings. As part of this program, NSW provided financial incentives for 44 medium and large buildings to obtain their first-ever indication of energy efficiency through a NABERS rating. This program will continue throughout FY23 and FY24, and it aims at significantly growing the number of NSW buildings setting ongoing targets for reducing energy use and emissions.

Improved Rules and Rulings

We are committed to continually improving every aspect of NABERS, and that includes our Rules and Rulings. To ensure assessors understand the technical aspects of a NABERS rating, we've published several documents, including:

- An update to the [Energy and Water for Apartment Building Rules](#) to align with the Metering and Consumption Rules and resolve outstanding issues
- Consolidation of existing Rulings to form the new [Shared Services and Facilities Ruling](#), which simplifies and enhances guidance for mix-use buildings and precincts.
- An update to the [Energy and Water for Shopping Centre Rules](#) with greater clarity for assessors when conducting shopping centre ratings.

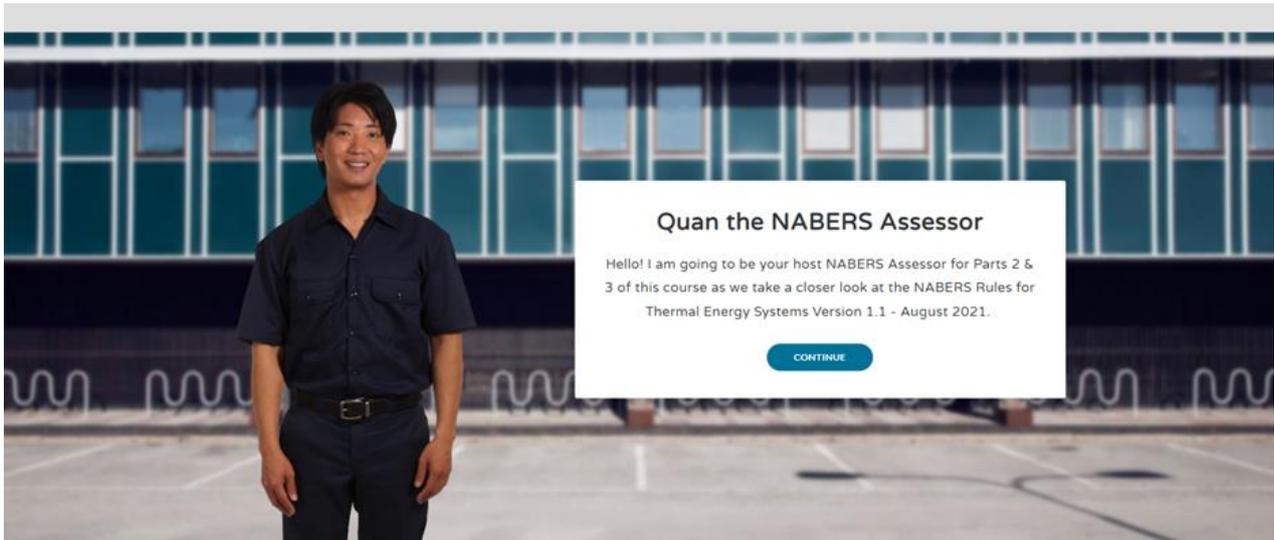
Online training opens doors

Hybrid working means more and more people prefer self-paced online learning. Most NABERS training is free and can now be accessed online. We have continued to ramp up our offerings to support the growing number of sectors and building types rated by NABERS. “Using NABERS to boost your GRESB score” attracted more than 100 enrolments, for instance, while 132 people undertook an introduction to thermal energy systems.

[Access our training content here.](#)

Other online training courses we launched this year include:

- Energy for Data Centres
- Energy & Water for Apartment Buildings
- Using NABERS for sustainable building planning in Victoria
- Using NABERS for sustainable building planning in New South Wales
- NABERS Shared Services and Facilities
- NABERS Thermal Energy Systems for Assessors.



An extract from the NABERS Thermal Energy Systems for Assessors online course.

A training webinar for warehouses and cold stores was attended by more than 130 people. Trainee feedback was very positive, with one participant noting the quality of the interactive questions and the “instant feedback on your understanding of a subject”.

Connecting with our community

Our biggest conference yet

In June 2022, more than 1,400 people registered – albeit virtually – for the fifth annual NABERS + CBD conference. Connecting people from across Australia under the theme of ‘United in Action’, we explored the newest industry trends and NABERS products. Some of Australia’s leading sustainable built environment experts shared insights and inspiration as we scale our impact together. Craig Reucassel, host of the ABC’s *The War on Waste*, set the scene for the day, with the keynote speakers including:

- **Rachel Parry**, Deputy Secretary, Energy, Climate Change and Sustainability, Office of Energy and Climate Change
- **Carlos Flores**, Director, NABERS
- **Francesca Muskovic**, National Policy Director, Property Council of Australia
- **Jan Smits**, CEO & Deputy Chair APAC, Pro-invest Group
- **Davina Rooney**, CEO, Green Building Council of Australia
- **Duncan McIntyre**, Head of Energy Division, Department of Industry, Science, Energy and Resources.

What were the three most popular sessions?

- **How buildings can lead the way towards a circular, net zero, sustainable economy:** NABERS Director Carlos Flores shared an update on the rollout of new rating tools, sector expansion and future directions.
- **Sticks, carrots and tambourines:** How government can encourage energy efficient buildings.
- **The catalytic role of energy efficiency in reaching net zero:** Why energy efficiency remains a pillar of any net zero strategy.

Assessors, facilities managers, sustainability specialists and building practitioners, new and existing customers, planning professionals, investors and government representatives all came together with one common goal – to create happier and healthier spaces for people and the planet.

More than four hours of video content from our conference can [be viewed online](#).



Craig Reucassel, host of ABC’s ‘The War on Waste’, Kate Wilson, Executive Director - Climate Change and Sustainability Division, NSW Department of Planning, Industry and Environment, Luke Menzel, CEO, Energy Efficiency Council and Anne Martinelli, Interim Executive Director, Australian Sustainable Built Environment Council, during the closing remarks.



Suruchi Pathak, NABERS Sector Expansion Lead, wrapping up her panel session.

Satellite events support a sustainable nation

Throughout July and August, we followed up our online conference with touring face-to-face events in Sydney, Melbourne, Adelaide, Brisbane, Canberra and Perth. These satellite events gave NABERS and Commercial Building Disclosure Assessors a chance to network with peers and engage in detailed conversations with NABERS and CBD staff on project developments.

These six events attracted more than 340 registrations, bringing together industry and key players in the NABERS ecosystem. It was also a great opportunity for people to reconnect face-to-face after such a long time.



Sara Levett, NABERS Sector Lead, speaking at the Melbourne satellite event.



NABERS Assessors mingling at the NABERS + CBD Perth satellite event.

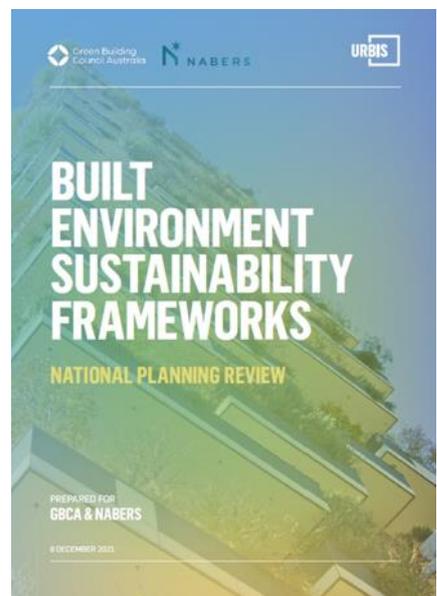


Ivana Brown, NABERS Sector Lead Accelerating Net Zero Buildings, and James Elks, NABERS Head of Product Development, connect in Adelaide airport.

Support for Local Government Planners

NABERS is undertaking a project funded by the Australian Government to reduce the performance gap between designed energy efficiency and actual operation in commercial buildings. Following extensive engagement with local government across New South Wales, Victoria, Queensland and Western Australia, we’ve been developing a range of training and resources. These materials have been designed specifically to improve the knowledge and capacity of planning professionals and to help local councils to understand and use sustainability tools like NABERS Commitment Agreements in the planning approvals process.

This work follows a collaboration with the GBCA to better understand the planning landscape across all states. We’ve since launched our ‘Using NABERS for Sustainable Building Planning’ training course for Victoria and New South Wales, with similar courses for Queensland and Western Australia in the pipeline. These have been supported by a range of case studies that demonstrate clear cost benefits and emissions reductions. Just some of the stories include:



- **1 Malop Street, Geelong:** A \$175 million transformation that has turned an old treasure into a world-class workplace, and elevating the NABERS Energy rating from 5 to 5.5 stars will save around \$950,000 in operational costs over the building’s 50-year lifespan.
- **Midtown Centre, Brisbane:** With 5 Star NABERS Energy and 4 Star NABERS Water ratings, this imaginative adaptive reuse project is 30% more energy efficient and 35% more water efficient than a conventional building. As developer Michael Bruderlin of InDeMa Properties says, “with a NABERS rating it is easy to quantify these outgoings”.
- **99 St Georges Terrace, Perth:** This building had ageing plant, a zero NABERS Energy rating and a 75% vacancy rate when an innovative partnership set out to elevate its energy efficiency – and the result is a predicted \$140,509 saved each year.

Closing the performance gap

In October 2021, another collaboration with the GBCA strengthened the business case for both NABERS Commitment Agreements as well as Green Star ratings. Analysis of 176 offices with base building NABERS Energy ratings and Green Star ratings found 88% achieved their modelled NABERS Energy rating or were within 0.5 stars. The report, [Closing the performance gap in Australia’s commercial office sector](#), was emphatic. A NABERS Commitment Agreement is “much more than a piece of paper”. This contract, signed by a developer or building owner at the design stage, “is a critical success factor in translating design intentions into real-world outcomes”.

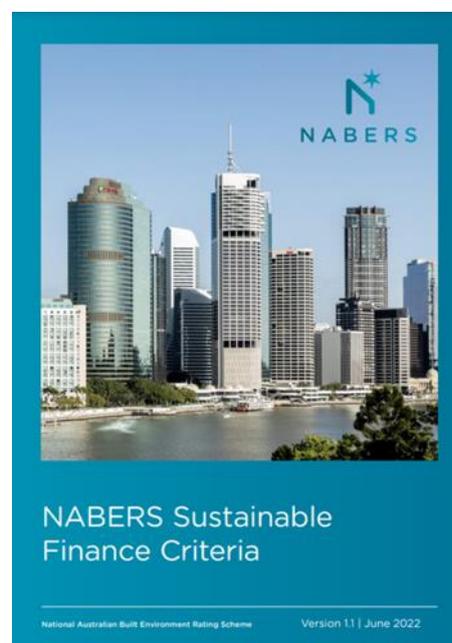
The best resources to make better decisions

34% upswing in Sustainable Portfolios Index participation

In May, the fourth [Sustainable Portfolios Index \(SPI\) 2022](#) confirmed an unprecedented 34.5% increase in participating portfolios – our largest growth rate yet.

Australia’s only publicly available index presenting the actual environmental performance of the top 53 building portfolios and funds, the SPI also recorded a 50% increase in the number of portfolios disclosing NABERS Indoor Environment ratings. This reflects growing interest from tenants and investors in healthy and productive workspaces in the wake of the pandemic.

This year the SPI’s Portfolio Profile section was revamped, with new graphs telling an engaging visual story. The enhanced navigation throughout the dashboard makes access faster and easier.



Sustainable Finance Criteria

How can NABERS help banks, investors, non-bank lenders and building owners of all sizes and scale to structure sustainable finance transactions? This question drove the development of the [Sustainable Finance Criteria](#).

Financial institutions want sustainable investments that can be easily verified, but assessing investments can often be complex and time consuming for both borrowers and lenders.

In response, NABERS launched the criteria on 1 June to set consistent NABERS-based targets. Developed and piloted in consultation with the investment community and building owners, the criteria sets out three methods to demonstrate eligibility for a green loan. Now influencing everything from building upgrades to entire portfolios, the criteria is one more step towards sustainable investment, lending and development in Australia.

A flexible team focused on the future

Over the last year, the NABERS team continues to work flexibly. Our locations and life stages are sometimes different, but we have one common purpose: to prove that measurement leads to better management.

We look forward to continuing to work as a close-knit team alongside our stakeholders for a more sustainable tomorrow.



Statistics

Program Statistics FY2021–22

Percentage % Office ENERGY Whole/Base Building Star Ratings – with GreenPower

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	1%	1%	0%	3%	2%	7%	5%	6%	27%	27%	18%	4%
NSW	2%	0%	1%	2%	1%	4%	5%	10%	15%	26%	23%	12%
NT	13%	0%	0%	0%	6%	3%	6%	6%	13%	26%	26%	0%
QLD	3%	1%	1%	1%	2%	4%	5%	8%	12%	33%	22%	8%
SA	6%	1%	1%	1%	1%	3%	8%	23%	21%	16%	14%	7%
VIC	4%	1%	0%	1%	1%	4%	8%	15%	22%	22%	14%	9%
WA	7%	2%	1%	4%	2%	4%	8%	13%	17%	27%	12%	3%
TAS	0%	0%	0%	0%	4%	4%	8%	29%	29%	8%	17%	0%
NATIONAL	3%	1%	1%	2%	2%	4%	6%	12%	19%	26%	19%	8%



Percentage % Office ENERGY Tenancy Star Ratings – with GreenPower

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	5%	3%	3%	5%	8%	38%	28%	10%
NSW	1%	0%	0%	1%	1%	4%	6%	6%	9%	27%	27%	18%
NT	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%
QLD	3%	0%	0%	0%	0%	8%	6%	17%	17%	33%	14%	3%
SA	0%	0%	0%	0%	0%	0%	0%	0%	20%	30%	30%	20%
VIC	0%	0%	0%	0%	0%	0%	1%	2%	10%	12%	44%	30%
WA	2%	0%	0%	2%	2%	2%	7%	19%	9%	33%	23%	0%
TAS	0%	0%	0%	0%	0%	25%	0%	0%	0%	50%	25%	0%
NATIONAL	1%	0%	0%	1%	1%	3%	5%	7%	10%	27%	29%	16%

Percentage % Office ENERGY Whole/Base Building Star Ratings – without GreenPower

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	1%	1%	0%	3%	2%	7%	5%	6%	27%	28%	17%	3%
NSW	2%	0%	1%	2%	1%	3%	5%	11%	14%	26%	23%	12%
NT	13%	0%	0%	0%	6%	3%	6%	6%	13%	26%	26%	0%
QLD	3%	1%	1%	1%	2%	4%	6%	8%	12%	33%	21%	8%
SA	6%	1%	1%	1%	1%	3%	8%	23%	21%	16%	14%	7%
VIC	4%	1%	0%	1%	1%	4%	8%	15%	22%	22%	14%	8%
WA	7%	2%	1%	4%	2%	4%	8%	13%	16%	27%	12%	3%
TAS	0%	0%	0%	0%	4%	4%	8%	29%	29%	8%	17%	0%
NATIONAL	3%	1%	1%	2%	2%	4%	6%	12%	17%	26%	18%	8%



Percentage % Office ENERGY Tenancy Star Ratings – without GreenPower

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	5%	3%	5%	5%	10%	36%	28%	8%
NSW	2%	1%	1%	0%	1%	3%	7%	5%	12%	27%	28%	13%
NT	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%
QLD	3%	0%	0%	0%	0%	8%	8%	17%	17%	33%	14%	0%
SA	0%	0%	0%	0%	0%	0%	0%	0%	20%	30%	30%	20%
VIC	0%	0%	0%	0%	0%	0%	1%	2%	12%	15%	48%	21%
WA	2%	0%	0%	2%	2%	2%	7%	19%	9%	33%	23%	0%
TAS	0%	0%	0%	0%	0%	25%	0%	0%	0%	50%	25%	0%
NATIONAL	1%	0%	0%	0%	1%	3%	5%	7%	12%	27%	30%	12%

Percentage % Office WATER Star Ratings

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	7%	0%	0%	2%	0%	4%	5%	11%	13%	40%	15%	4%
NSW	2%	1%	1%	1%	2%	3%	10%	13%	27%	20%	12%	7%
NT	0%	0%	0%	0%	14%	0%	14%	43%	0%	0%	29%	0%
QLD	0%	0%	0%	0%	1%	5%	8%	23%	46%	7%	5%	4%
SA	7%	0%	4%	0%	4%	4%	7%	15%	22%	22%	15%	0%
VIC	3%	0%	1%	0%	1%	1%	2%	3%	8%	17%	27%	38%
WA	6%	1%	1%	1%	6%	8%	16%	15%	19%	15%	7%	3%
TAS	0%	0%	0%	0%	0%	0%	0%	33%	0%	33%	0%	33%
NATIONAL	3%	1%	1%	1%	2%	4%	9%	13%	24%	18%	13%	11%



Percentage % Office Indoor Environment Star Ratings

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	0%	0%	6%	19%	6%	25%	19%	25%
NSW	3%	0%	3%	6%	1%	6%	12%	18%	11%	16%	16%	9%
NT	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
QLD	6%	0%	0%	0%	3%	6%	9%	12%	6%	12%	26%	21%
SA	0%	0%	0%	0%	20%	0%	20%	0%	20%	0%	20%	20%
VIC	0%	0%	4%	2%	2%	6%	11%	20%	4%	17%	15%	20%
WA	0%	0%	0%	0%	0%	0%	11%	4%	19%	22%	7%	37%
TAS	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%
NATIONAL	2%	0%	2%	3%	2%	5%	11%	16%	10%	17%	16%	17%



Percentage % Hotel ENERGY Star Ratings – without GreenPower

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	0%	0%	0%	0%	67%	33%	0%	0%
NSW	0%	0%	0%	0%	0%	17%	6%	22%	11%	44%	0%	0%
NT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
QLD	0%	0%	0%	0%	0%	0%	25%	25%	0%	50%	0%	0%
SA	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%
VIC	0%	0%	0%	0%	0%	0%	0%	0%	25%	50%	25%	0%
WA	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
TAS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
NATIONAL	0%	0%	0%	0%	0%	9%	6%	16%	22%	44%	3%	0%

Percentage % Hotel WATER Star Ratings

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	0%	0%	33%	0%	33%	33%	0%	0%
NSW	0%	0%	0%	7%	7%	13%	7%	13%	20%	20%	0%	13%
NT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
QLD	0%	0%	0%	0%	0%	25%	0%	50%	0%	0%	0%	25%
SA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%
VIC	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	33%	0%
WA	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%
TAS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
NATIONAL	0%	0%	0%	4%	4%	11%	7%	18%	18%	21%	7%	11%



Percentage % Shopping Centre ENERGY Star Ratings – without GreenPower

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	20%	20%	20%	0%	20%	20%	0%	0%
NSW	4%	0%	1%	3%	4%	1%	9%	14%	23%	17%	19%	5%
NT	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%
QLD	4%	0%	6%	0%	0%	2%	4%	18%	24%	16%	8%	18%
SA	0%	9%	0%	0%	0%	0%	0%	36%	0%	18%	9%	27%
VIC	0%	2%	0%	2%	5%	4%	7%	15%	15%	31%	16%	4%
WA	0%	4%	2%	2%	9%	4%	11%	18%	16%	20%	7%	7%
TAS	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%
NATIONAL	2%	2%	2%	2%	4%	3%	8%	16%	19%	21%	13%	9%

Percentage % Shopping Centre WATER Star Ratings

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	0%	20%	20%	20%	0%	0%	40%	0%
NSW	3%	0%	2%	6%	20%	14%	12%	17%	14%	6%	2%	5%
NT	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%
QLD	0%	0%	2%	0%	2%	5%	12%	26%	24%	10%	5%	14%
SA	0%	0%	9%	0%	0%	9%	18%	45%	0%	18%	0%	0%
VIC	2%	2%	0%	0%	0%	8%	12%	16%	20%	22%	18%	2%
WA	8%	0%	8%	6%	8%	31%	17%	11%	3%	8%	0%	0%
TAS	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%
NATIONAL	3%	0%	3%	3%	8%	14%	14%	19%	14%	11%	7%	5%



Percentage % Data Centre ENERGY Star Ratings – without GreenPower

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
NSW	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%
NT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
QLD	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%
SA	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
VIC	0%	0%	0%	0%	0%	0%	0%	25%	0%	50%	25%	0%
WA	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%
TAS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
NATIONAL	0%	0%	0%	0%	0%	0%	17%	33%	25%	17%	8%	0%



Percentage % Residential Aged Care & Retirement Living ENERGY Star Ratings – without GreenPower

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%
NSW	9%	4%	9%	0%	4%	17%	22%	9%	13%	9%	0%	4%
NT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
QLD	0%	0%	20%	0%	0%	20%	60%	0%	0%	0%	0%	0%
SA	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
VIC	0%	0%	0%	0%	0%	33%	0%	0%	33%	33%	0%	0%
WA	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TAS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
NATIONAL	8%	3%	8%	0%	3%	17%	31%	8%	11%	8%	0%	3%

Percentage % Residential Aged Care & Retirement Living WATER Star Ratings

	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
ACT	0%	0%	0%	0%	0%	50%	0%	50%	0%	0%	0%	0%
NSW	10%	0%	0%	0%	0%	14%	19%	19%	24%	10%	5%	0%
NT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
QLD	0%	0%	0%	0%	0%	0%	25%	0%	50%	0%	25%	0%
SA	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%
VIC	0%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%
WA	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%
TAS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
NATIONAL	6%	0%	3%	3%	0%	16%	19%	16%	23%	6%	6%	0%

Life of Program Statistics

Number of Individual Buildings Rated (at least once over the life of the program)

	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Office Energy	2319	2594	2736	2903	3213	3402	3727	3891	4055
Office Water	941	1030	1103	1187	1291	1386	1503	1602	1675
Office Indoor Environment	69	79	93	104	122	168	201	264	353
Office Waste	42	42	45	45	46	67	100	100	220
Shopping Centre Energy	138	173	196	218	228	246	262	283	333
Shopping Centre Water	128	157	180	195	195	226	243	267	286
Hotel Energy	69	72	73	74	76	77	87	127	140
Hotel Water	63	66	66	66	67	68	78	119	128
Data Centre	1	5	12	16	18	18	18	19	21
Apartment Buildings Energy	-	-	-	-	-	100	145	181	207
Apartment Buildings Water	-	-	-	-	-	90	134	161	183
Residential Aged Care & Retirement Living Energy	-	-	-	-	-	-	-	-	30
Residential Aged Care & Retirement Living Water	-	-	-	-	-	-	-	-	29
Public Hospitals Energy	-	-	-	273	276	271	268	327	268
Public Hospitals Water	-	-	-	138	142	137	138	190	157
Carbon Neutral	-	-	-	-	-	7	19	36	62

Ratings and Government Policy – NABERS Office Energy Ratings Certified (all scopes)

	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10
Number of Energy Ratings (WB, BB & T)	2	36	33	10	42	67	320	222	201	363	399	505
Number of Energy Ratings over 4 stars (WB, BB & T)	1	4	3	4	2	10	50	29	25	100	133	212

	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Number of Energy Ratings (WB, BB & T)	1143	1380	1422	1475	1441	1393	1490	1768	1811	2008	2031	2110
Number of Energy Ratings over 4 stars (WB, BB & T)	331	476	608	682	705	746	780	939	989	1199	1360	1528

Please note the following:

- Financial Year 04 – NSW Greenhouse Performance of Government Office Buildings required all owned and leased offices to be rated.
- Financial Year 07 – Energy Efficiency in Government Operations introduced by Commonwealth requiring all owned or leased office spaces rated over 4.5 stars.
- Financial Year 08 – NSW Sustainable Government Policy introduced requiring all Government owned or leased office spaces to be rated over 4.5 stars.
- Financial Year 10 – Commercial Building Disclosure introduced by Commonwealth making NABERS rating mandatory for all office buildings over 2000m².
- Financial Year 18 – Commercial Building Disclosure threshold dropped to 1000m²



Distribution % of Office Energy Ratings over Life of the Program – without GreenPower

Financial year	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
FY99	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%
FY00	11.1%	0.0%	0.0%	22.2%	11.1%	27.8%	2.8%	22.2%	0.0%	2.8%	0.0%	0.0%
FY01	9.1%	0.0%	3.0%	3.0%	12.1%	18.2%	18.2%	27.3%	6.1%	3.0%	0.0%	0.0%
FY02	0.0%	0.0%	0.0%	10.0%	10.0%	30.0%	10.0%	10.0%	0.0%	30.0%	0.0%	0.0%
FY03	11.9%	4.8%	9.5%	0.0%	19.0%	26.2%	23.8%	0.0%	4.8%	0.0%	0.0%	0.0%
FY04	7.5%	3.0%	7.5%	9.0%	13.4%	16.4%	17.9%	11.9%	3.0%	10.4%	0.0%	0.0%
FY05	7.8%	5.0%	6.6%	10.0%	13.8%	24.7%	13.1%	8.8%	4.7%	5.6%	0.0%	0.0%
FY06	5.9%	4.5%	8.1%	11.3%	14.0%	18.0%	20.7%	9.9%	3.2%	4.5%	0.0%	0.0%
FY07	6.0%	4.0%	4.0%	9.5%	17.9%	19.4%	18.9%	11.4%	5.0%	4.0%	0.0%	0.0%
FY08	3.6%	3.0%	5.8%	12.4%	9.1%	20.1%	15.4%	14.3%	9.4%	6.9%	0.0%	0.0%
FY09	3.0%	3.0%	5.5%	7.0%	9.3%	17.5%	15.5%	16.0%	12.5%	10.5%	0.0%	0.0%
FY10	5.1%	3.2%	2.8%	7.9%	6.5%	14.7%	14.9%	16.0%	15.4%	13.5%	0.0%	0.0%
FY11	10.8%	3.8%	5.4%	9.5%	8.2%	12.2%	14.6%	12.9%	11.6%	8.8%	1.8%	0.3%
FY12	8.7%	2.9%	4.3%	6.1%	8.8%	10.9%	14.2%	14.6%	14.8%	10.7%	3.6%	0.3%
FY13	6.8%	2.4%	3.7%	4.5%	7.5%	9.2%	11.1%	17.1%	19.5%	14.1%	3.7%	0.4%
FY14	5.6%	2.1%	2.0%	4.1%	7.3%	8.3%	11.0%	16.5%	19.7%	17.5%	5.6%	0.3%
FY15	4.7%	1.7%	1.9%	3.2%	5.2%	9.1%	12.0%	16.1%	20.1%	19.6%	5.9%	0.4%
FY16	4.6%	1.4%	2.4%	2.9%	4.9%	7.5%	10.6%	14.6%	20.5%	22.3%	7.7%	0.6%
FY17	4.4%	1.5%	2.1%	3.4%	4.5%	6.9%	10.3%	16.2%	19.3%	23.2%	7.1%	1.1%
FY18	6.1%	1.5%	2.0%	2.9%	4.7%	6.6%	9.8%	14.5%	19.6%	22.9%	8.0%	1.2%
FY19	4.5%	1.4%	1.3%	4.3%	3.5%	7.5%	8.4%	15.3%	18.8%	24.0%	9.5%	1.4%
FY20	4.3%	1.0%	1.3%	1.8%	3.5%	7.1%	8.9%	13.2%	19.2%	25.5%	12.5%	1.7%
FY21	3.3%	0.9%	1.2%	1.8%	2.5%	4.9%	6.6%	12.8%	17.5%	27.1%	18.2%	3.2%
FY22	3.0%	0.8%	0.7%	1.4%	1.9%	3.6%	6.3%	10.9%	17.1%	27.0%	21.5%	5.7%



Distribution % of Office Energy Ratings over Life of the Program – with GreenPower

Financial year	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
FY99	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%
FY00	8.3%	0.0%	0.0%	19.4%	8.3%	27.8%	2.8%	22.2%	0.0%	11.1%	0.0%	0.0%
FY01	6.1%	3.0%	3.0%	3.0%	12.1%	18.2%	18.2%	27.3%	6.1%	3.0%	0.0%	0.0%
FY02	0.0%	0.0%	0.0%	10.0%	0.0%	30.0%	0.0%	20.0%	0.0%	40.0%	0.0%	0.0%
FY03	11.9%	4.8%	9.5%	0.0%	19.0%	26.2%	23.8%	0.0%	4.8%	0.0%	0.0%	0.0%
FY04	7.5%	0.0%	6.0%	7.5%	14.9%	16.4%	20.9%	11.9%	4.5%	10.4%	0.0%	0.0%
FY05	6.3%	3.8%	6.3%	8.1%	12.8%	22.2%	14.4%	10.6%	5.3%	10.3%	0.0%	0.0%
FY06	4.1%	3.6%	7.7%	8.6%	12.2%	15.8%	21.2%	14.0%	5.0%	8.1%	0.0%	0.0%
FY07	5.0%	3.0%	3.0%	9.0%	15.4%	17.9%	17.4%	16.9%	4.5%	8.0%	0.0%	0.0%
FY08	2.8%	2.5%	4.7%	9.1%	8.8%	16.3%	12.7%	15.7%	14.0%	13.5%	0.0%	0.0%
FY09	2.3%	2.5%	3.3%	7.0%	6.8%	13.3%	14.5%	17.0%	14.5%	18.8%	0.0%	0.0%
FY10	4.0%	3.2%	2.4%	6.9%	4.4%	12.1%	11.9%	13.3%	19.4%	22.6%	0.0%	0.0%
FY11	10.6%	3.3%	4.9%	8.2%	7.6%	10.8%	13.6%	11.9%	12.2%	11.6%	2.7%	2.4%
FY12	8.4%	2.9%	4.1%	5.5%	7.8%	10.1%	13.5%	13.3%	15.7%	11.6%	4.5%	2.8%
FY13	6.2%	2.3%	3.5%	4.4%	6.6%	8.9%	10.5%	14.9%	20.2%	14.6%	5.2%	2.7%
FY14	5.5%	2.0%	2.0%	3.9%	6.6%	7.8%	10.8%	15.2%	18.6%	18.9%	6.2%	2.5%
FY15	4.6%	1.6%	2.1%	3.1%	4.5%	8.5%	11.7%	14.9%	19.2%	20.5%	7.1%	2.1%
FY16	4.6%	1.3%	2.5%	2.8%	4.5%	7.0%	10.1%	13.6%	20.0%	21.6%	9.5%	2.4%
FY17	4.3%	1.6%	1.9%	3.4%	4.0%	6.4%	10.4%	15.5%	18.8%	22.5%	8.5%	2.6%
FY18	5.9%	1.5%	2.0%	2.9%	4.6%	6.2%	9.4%	14.3%	19.3%	22.2%	9.2%	2.3%
FY19	4.5%	1.4%	1.2%	4.3%	3.6%	7.4%	8.0%	15.1%	18.1%	23.5%	10.5%	2.5%
FY20	4.2%	1.0%	1.3%	1.7%	3.4%	7.0%	8.6%	12.9%	18.7%	24.5%	13.2%	3.3%
FY21	3.3%	0.9%	1.2%	1.8%	2.4%	4.9%	6.2%	12.4%	17.3%	25.8%	18.2%	5.7%
FY22	2.9%	0.8%	0.6%	1.5%	1.5%	3.7%	5.9%	10.7%	16.0%	26.0%	20.6%	9.9%

Number of Ratings applications received

Type of Rating	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10
Office Energy Ratings	2	36	33	10	42	67	320	222	201	363	399	505
Office Water Ratings	-	-	-	-	-	-	-	57	102	237	251	259
Indoor Environment Ratings	-	-	-	-	-	-	-	-	-	-	-	11
Waste Ratings	-	-	-	-	-	-	-	-	-	-	1	14
Shopping Centre Energy Ratings	-	-	-	-	-	-	-	-	-	-	-	23
Shopping Centre Water Ratings	-	-	-	-	-	-	-	-	-	-	-	23
Hotel Energy Ratings	-	-	-	-	-	-	-	-	-	-	2	23
Hotel Water Ratings	-	-	-	-	-	-	-	-	-	-	2	26
Data Centre Ratings	-	-	-	-	-	-	-	-	-	-	-	-
Apartment Buildings Energy	-	-	-	-	-	-	-	-	-	-	-	-
Apartment Buildings Water	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospitals Energy*	-	-	-	-	-	-	-	-	-	-	-	-
Residential Aged Care & Retirement Living Energy	-	-	-	-	-	-	-	-	-	-	-	-
Residential Aged Care & Retirement Living Water	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospitals Water*	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Neutral	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2	36	33	10	42	67	320	279	303	600	655	884



Type of Rating	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Office Energy Ratings	1,143	1,380	1,422	1,475	1,441	1,393	1,490	1,768	1,811	2,008	2,031	2,110
Office Water Ratings	427	549	569	586	576	587	655	722	803	835	935	937
Indoor Environment Ratings	14	14	22	47	35	48	49	65	106	128	181	243
Waste Ratings	4	15	11	12	5	8	4	5	23	48	100	172
Shopping Centre Energy Ratings	34	54	84	63	113	139	138	156	188	171	207	247
Shopping Centre Water Ratings	31	52	75	54	90	119	120	143	174	159	202	213
Hotel Energy Ratings	28	30	21	26	15	6	4	3	6	19	67	32
Hotel Water Ratings	29	28	19	14	12	2	3	2	5	16	67	28
Data Centre Ratings	-	-	-	1	6	11	12	12	10	10	10	12
Apartment Buildings Energy	-	-	-	-	-	-	-	-	100	48	51	40
Apartment Buildings Water	-	-	-	-	-	-	-	-	90	47	42	34
Public Hospitals Energy*	-	-	-	-	-	-	-	-	-	-	-	36
Residential Aged Care & Retirement Living Energy	-	-	-	-	-	-	-	-	-	-	-	31
Residential Aged Care & Retirement Living Water	-	-	-	-	-	-	273	276	271	268	327	268
Public Hospitals Water*	-	-	-	-	-	-	138	142	137	138	190	157
Carbon Neutral	-	-	-	-	-	-	-	-	7	19	30	58
TOTAL	1,710	2,122	2,223	2,278	2,293	2,313	2,886	3,294	3,731	3,914	4,440	4,618

Ratings and Government Policy – Count Buildings and Tenancies with NABERS Office Energy Ratings Certified

	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10
Number of Energy Ratings (WB, BB & T)	2	36	32	10	40	66	297	213	200	332	388	493
Number of Energy Ratings over 4 stars (WB, BB & T)	1	4	3	4	2	10	50	29	25	90	130	207

	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Number of Energy Ratings (WB, BB & T)	1120	1308	1345	1388	1408	1346	1462	1738	1772	1951	1977	2069
Number of Energy Ratings over 4 stars (WB, BB & T)	324	450	579	635	691	721	771	926	972	1169	1326	1497

Please note the following:

- Financial Year 04 – NSW Greenhouse Performance of Government Office Buildings required all owned and leased offices to be rated.
- Financial Year 07 – Energy Efficiency in Government Operations introduced by Commonwealth requiring all owned or leased office spaces rated over 4.5 stars.
- Financial Year 08 – NSW Sustainable Government Policy introduced requiring all Government owned or leased office spaces to be rated over 4.5 stars.
- Financial Year 10 – Commercial Building Disclosure introduced by Commonwealth making NABERS rating mandatory for all office buildings over 2000m².
- Financial Year 18 – Commercial Building Disclosure threshold dropped to 1000m²



Distribution Count of Office Energy Ratings over Life of the Program – without GreenPower

Financial year	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
FY99	0	0	0	1	0	0	0	0	0	1	0	0
FY00	4	0	0	8	4	10	1	8	0	1	0	0
FY01	3	0	1	1	4	6	6	9	2	1	0	0
FY02	0	0	0	1	1	3	1	1	0	3	0	0
FY03	5	2	4	0	8	11	10	0	2	0	0	0
FY04	5	2	5	6	9	11	12	8	2	7	0	0
FY05	25	16	21	32	44	79	42	28	15	18	0	0
FY06	13	10	18	25	31	40	46	22	7	10	0	0
FY07	12	8	8	19	36	39	38	23	10	8	0	0
FY08	13	11	21	45	33	73	56	52	34	25	0	0
FY09	12	12	22	28	37	70	62	64	50	42	0	0
FY10	26	16	14	40	33	74	75	81	78	68	0	0
FY11	124	43	62	109	94	139	167	147	133	101	21	3
FY12	120	40	60	84	122	150	196	202	204	148	50	4
FY13	96	34	53	64	106	131	158	243	278	201	53	5
FY14	83	31	30	60	108	122	162	244	290	258	82	5
FY15	68	25	28	46	75	131	173	232	289	283	85	6
FY16	64	20	33	40	68	105	148	204	285	310	107	9
FY17	65	23	31	51	67	103	153	242	288	345	106	16
FY18	107	27	36	51	83	117	174	257	347	405	142	22
FY19	82	26	23	78	63	136	153	277	341	434	172	26
FY20	86	20	27	36	70	143	179	265	385	513	250	34
FY21	68	19	25	36	51	99	134	259	356	550	369	65
FY22	64	17	15	30	41	76	132	231	360	570	454	120

Distribution Count of Office Energy Ratings over Life of the Program – with GreenPower

Financial year	0 Star	1 Star	1.5 Star	2 Star	2.5 Star	3 Star	3.5 Star	4 Star	4.5 Star	5 Star	5.5 Star	6 Star
FY99	0	0	0	1	0	0	0	0	0	1	0	0
FY00	3	0	0	7	3	10	1	8	0	4	0	0
FY01	2	1	1	1	4	6	6	9	2	1	0	0
FY02	0	0	0	1	0	3	0	2	0	4	0	0
FY03	5	2	4	0	8	11	10	0	2	0	0	0
FY04	5	0	4	5	10	11	14	8	3	7	0	0
FY05	20	12	20	26	41	71	46	34	17	33	0	0
FY06	9	8	17	19	27	35	47	31	11	18	0	0
FY07	10	6	6	18	31	36	35	34	9	16	0	0
FY08	10	9	17	33	32	59	46	57	51	49	0	0
FY09	9	10	13	28	27	53	58	68	58	75	0	0
FY10	20	16	12	35	22	61	60	67	98	114	0	0
FY11	121	38	56	94	87	124	156	136	140	133	31	27
FY12	116	40	56	76	107	139	186	184	216	160	62	38
FY13	88	32	50	62	94	126	150	212	287	208	74	39
FY14	81	30	30	57	97	115	159	224	274	279	92	37
FY15	67	23	30	45	65	122	169	215	277	295	103	30
FY16	64	18	35	39	63	98	141	189	279	301	133	33
FY17	64	24	29	51	60	96	155	231	280	335	127	38
FY18	105	27	35	52	81	110	167	252	342	393	163	41
FY19	81	25	22	78	65	134	144	273	328	425	190	46
FY20	85	21	27	34	69	141	173	259	376	492	265	66
FY21	67	19	24	37	49	99	125	251	351	523	370	116
FY22	61	16	13	31	31	79	125	226	337	548	434	209

Number of Unique Buildings and Tenancies Rated

Type of Rating	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10
Energy Ratings	2	36	32	10	40	66	297	213	200	332	388	493
Water Ratings	-	-	-	-	-	-	-	51	106	212	242	253
Indoor Environment Ratings	-	-	-	-	-	-	-	-	-	-	-	11
Waste Ratings	-	-	-	-	-	-	-	-	-	-	1	13
Shopping Centre Energy Ratings	-	-	-	-	-	-	-	-	-	-	-	23
Shopping Centre Water Ratings	-	-	-	-	-	-	-	-	-	-	-	23
Hotel Energy Ratings	-	-	-	-	-	-	-	-	-	-	2	23
Hotel Water Ratings	-	-	-	-	-	-	-	-	-	-	2	26
Data Centre Ratings	-	-	-	-	-	-	-	-	-	-	-	-
Apartment Buildings Energy	-	-	-	-	-	-	-	-	-	-	-	-
Apartment Buildings Water	-	-	-	-	-	-	-	-	-	-	-	-
Residential Aged Care & Retirement Living Energy	-	-	-	-	-	-	-	-	-	-	-	-
Residential Aged Care & Retirement Living Water	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospitals Energy*	-	-	-	-	-	-	-	-	-	-	-	-
Public Hospitals Water*	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Neutral	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2	36	32	10	40	66	297	264	306	544	635	865



Type of Rating	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Energy Ratings	1,120	1,308	1,345	1,388	1,408	1,346	1,462	1,738	1,772	1,951	1,977	2,069
Water Ratings	414	506	521	551	562	567	636	703	782	814	910	920
Indoor Environment Ratings	14	14	22	44	34	48	49	65	106	128	181	228
Waste Ratings	4	15	11	12	5	8	4	5	22	48	86	153
Shopping Centre Energy Ratings	34	54	81	59	109	129	132	148	165	168	172	229
Shopping Centre Water Ratings	31	52	74	53	87	109	113	136	154	157	168	195
Hotel Energy Ratings	28	30	21	26	15	6	4	3	6	19	65	32
Hotel Water Ratings	29	28	19	14	12	2	3	2	5	16	64	28
Data Centre Ratings	-	-	21	1	5	11	12	12	10	10	10	11
Apartment Buildings Energy	-	-	-	-	-	-	-	-	100	48	51	40
Apartment Buildings Water	-	-	-	-	-	-	-	-	90	47	42	34
Residential Aged Care & Retirement Living Energy	-	-	-	-	-	-	-	-	-	-	-	30
Residential Aged Care & Retirement Living Water	-	-	-	-	-	-	-	-	-	-	-	29
Public Hospitals Energy*	-	-	-	-	-	-	273	276	271	268	327	268
Public Hospitals Water*	-	-	-	-	-	-	138	142	137	138	190	157
Carbon Neutral	-	-	-	-	-	-	-	-	7	19	32	56
TOTAL	1,674	2,007	2,115	2,148	2,237	2,226	2,826	3,230	3,627	3,831	4,275	4,479



Commitment Agreements – NABERS Energy – Life of program

Targeted star rating	Count	Percentage
4	17	4.94%
4.5	125	36.34%
5	179	52.03%
5.5	21	6.10%
6	2	0.58%
Total	344	100.00%



National Office Market Penetration – Energy rated area (5 year average)

State	Market size (m ²)	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10
NSW	10,281,914	4,940	553,779	720,803	750,031	1,046,159	1,311,115	2,411,878	2,964,121	3,381,381	4,056,519	4,512,705	4,636,168
VIC	7,137,850	-	266,459	384,370	384,370	464,094	530,875	518,218	670,864	1,095,821	1,264,515	1,649,766	2,006,528
WA	2,768,968	-	-	-	-	103,243	125,774	324,686	653,226	750,192	785,327	829,787	878,057
ACT	3,124,465	-	-	35,876	35,876	35,876	102,869	171,343	347,216	448,497	517,762	602,501	752,730
QLD	4,780,917	-	-	-	51,577	51,577	146,910	248,738	568,895	617,455	802,291	952,446	1,095,000
SA	2,323,946	-	-	-	-	-	37,055	264,699	283,717	393,822	475,340	545,554	537,178
NT	229,029	-	-	-	-	-	-	-	5,245	5,245	14,695	40,738	63,303
TAS	398,628	-	-	-	-	-	-	-	1,681	33,623	43,729	49,137	58,214
TOTAL (Australia National)	31,045,717	4,940	820,239	1,141,049	1,221,854	1,700,950	2,254,598	3,939,562	5,494,965	6,726,036	7,960,178	9,182,634	10,027,177



State	Market size (m ²)	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
NSW	10,281,914	6,091,213	6,823,782	7,549,256	8,497,649	8,929,654	8,872,164	8,715,934	8,516,898	8,641,327	8,467,237	8,603,967	8,655,138
VIC	7,137,850	3,362,546	4,036,845	4,528,642	5,402,527	5,776,870	5,984,369	5,951,283	5,744,440	5,723,154	5,584,339	5,671,563	6,041,801
WA	2,768,968	1,257,502	1,430,488	1,577,246	1,986,562	2,044,532	2,052,975	2,069,820	2,118,984	2,179,668	2,243,287	2,304,444	2,342,780
ACT	3,124,465	905,862	1,126,754	1,198,332	1,350,268	1,450,923	1,492,933	1,568,223	1,619,638	1,613,044	1,637,053	1,658,210	1,617,144
QLD	4,780,917	1,864,795	2,361,800	2,647,902	2,991,296	3,291,462	3,287,199	3,226,454	3,246,549	3,361,624	3,355,182	3,411,714	3,437,049
SA	2,323,946	628,437	746,451	833,983	969,583	998,524	1,115,849	1,109,560	1,066,571	1,100,523	1,118,153	1,175,597	1,249,095
NT	229,029	103,133	127,063	156,059	154,525	174,292	162,017	130,265	132,333	135,094	156,225	159,515	180,747
TAS	398,628	81,935	99,169	133,028	174,945	194,355	205,810	207,950	222,989	231,176	254,669	250,561	232,939
TOTAL (Australia National)	31,045,717	14,295,423	16,752,351	18,624,447	21,527,355	22,860,612	23,173,317	22,979,489	22,668,402	22,985,611	22,816,145	23,235,571	23,756,693



National Office Market Penetration percentage – Energy (5 year average)

State	Market size (m ²)	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10
NSW	10,281,914	0%	5%	7%	7%	10%	13%	23%	29%	33%	39%	44%	45%
VIC	7,137,850	0%	4%	5%	6%	7%	7%	7%	9%	15%	18%	23%	28%
WA	2,768,968	0%	0%	0%	0%	4%	5%	12%	24%	27%	28%	30%	32%
ACT	3,124,465	0%	0%	1%	1%	1%	3%	5%	11%	14%	17%	19%	24%
QLD	4,780,917	0%	0%	1%	1%	1%	3%	5%	12%	13%	17%	20%	23%
SA	2,323,946	0%	0%	0%	0%	0%	2%	11%	12%	17%	20%	23%	23%
NT	229,029	0%	0%	0%	0%	0%	0%	0%	2%	2%	6%	18%	28%
TAS	398,628	0%	0%	0%	0%	0%	0%	0%	0%	8%	11%	12%	15%
TOTAL (Australia National)	31,045,717	0%	3%	4%	4%	5%	7%	13%	18%	22%	26%	30%	32%



State	Market size (m ²)	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
NSW	10,281,914	59%	66%	73%	83%	87%	86%	85%	83%	84%	82%	84%	84%
VIC	7,137,850	47%	57%	63%	76%	81%	84%	83%	80%	80%	78%	79%	85%
WA	2,768,968	45%	52%	57%	72%	74%	74%	75%	77%	79%	81%	83%	85%
ACT	3,124,465	29%	36%	38%	43%	46%	48%	50%	52%	52%	52%	53%	52%
QLD	4,780,917	39%	49%	55%	63%	69%	69%	67%	68%	70%	70%	71%	72%
SA	2,323,946	27%	32%	36%	42%	43%	48%	48%	46%	47%	48%	51%	54%
NT	229,029	45%	55%	68%	67%	76%	71%	57%	58%	59%	68%	70%	79%
TAS	398,628	21%	25%	33%	44%	49%	52%	52%	56%	58%	64%	63%	58%
TOTAL (Australia National)	31,045,717	46%	54%	60%	69%	74%	75%	74%	73%	74%	73%	75%	77%



National Office Market Penetration – Water rated area (5 year average)

State	Market size (m ²)	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
NSW	10,281,914	515,928	1,371,633	2,259,397	3,081,547	3,780,050	4,526,909	5,301,598	5,732,915
VIC	7,137,850	233,081	714,143	1,040,105	1,396,434	1,582,903	2,417,883	2,803,884	2,932,947
WA	2,768,968	76,973	131,718	260,367	377,103	444,608	646,594	819,109	933,996
ACT	3,124,465	35,609	116,584	274,069	337,720	440,364	489,279	566,948	630,795
QLD	4,780,917	164,749	315,362	480,708	645,758	761,937	1,045,283	1,204,791	1,430,851
SA	2,323,946	37,998	82,671	165,371	293,512	333,696	375,410	391,531	406,669
NT	229,029	-	-	5,245	5,245	14,611	14,611	14,611	14,611
TAS	398,628	-	-	10,106	10,106	14,725	14,725	14,725	4,619
TOTAL (Australia National)	31,045,717	1,064,338	2,732,110	4,495,368	6,147,425	7,372,895	9,530,694	11,117,197	12,087,401



State	Market size (m ²)	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
NSW	10,281,914	6,276,375	6,558,540	6,568,842	6,403,950	6,357,813	6,487,836	6,497,348	6,723,208	6,923,115
VIC	7,137,850	3,243,357	3,504,747	3,402,447	3,531,308	3,730,252	3,790,901	3,839,356	4,013,301	4,342,810
WA	2,768,968	1,341,402	1,494,690	1,598,074	1,692,957	1,767,110	1,856,220	1,924,382	1,987,487	1,982,647
ACT	3,124,465	687,852	737,662	832,013	880,963	913,861	951,410	1,003,300	990,872	951,491
QLD	4,780,917	1,721,453	1,838,685	2,002,444	2,100,534	2,124,683	2,297,299	2,236,098	2,409,485	2,441,258
SA	2,323,946	386,302	478,930	416,819	395,377	382,525	418,631	438,975	501,036	525,655
NT	229,029	24,639	37,971	32,488	32,488	32,488	40,686	36,265	36,265	38,961
TAS	398,628	20,246	20,246	20,246	27,335	32,979	43,363	37,842	49,922	58,556
TOTAL (Australia National)	31,045,717	13,701,625	14,671,471	14,873,373	15,064,912	15,341,709	15,886,346	16,013,565	16,711,578	17,264,494



National Office Market Penetration percentage – Water (5 year average)

State	Market size (m ²)	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
NSW	10,281,914	5%	13%	22%	30%	37%	44%	52%	56%
VIC	7,137,850	3%	10%	15%	20%	22%	34%	39%	41%
WA	2,768,968	3%	5%	9%	14%	16%	23%	30%	34%
ACT	3,124,465	1%	4%	9%	11%	14%	16%	18%	20%
QLD	4,780,917	3%	7%	10%	14%	16%	22%	25%	30%
SA	2,323,946	2%	4%	7%	13%	14%	16%	17%	17%
NT	229,029	0%	0%	2%	2%	6%	6%	6%	6%
TAS	398,628	0%	0%	3%	3%	4%	4%	4%	1%
TOTAL (Australia National)	31,045,717	3%	9%	14%	20%	24%	31%	36%	39%



State	Market size (m ²)	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
NSW	10,281,914	61%	64%	64%	62%	62%	63%	63%	65%	67%
VIC	7,137,850	45%	49%	48%	49%	52%	53%	54%	56%	61%
WA	2,768,968	48%	54%	58%	61%	64%	67%	69%	72%	72%
ACT	3,124,465	22%	24%	27%	28%	29%	30%	32%	32%	30%
QLD	4,780,917	36%	38%	42%	44%	44%	48%	47%	50%	51%
SA	2,323,946	17%	21%	18%	17%	16%	18%	19%	22%	23%
NT	229,029	11%	17%	14%	14%	14%	18%	16%	16%	17%
TAS	398,628	5%	5%	5%	7%	8%	11%	9%	13%	15%
TOTAL (Australia National)	31,045,717	44%	47%	48%	49%	49%	51%	52%	54%	56%



NABERS Finance Report 2021–22

Starting cash reserve (1,374,773)

Receipts	\$
NSC government member contributions	(318,338)
Government funding*	(2,989,511)
NABERS ratings and products	(3,836,666)
Training fees	(237,447)
Accreditation fees	(402,095)
NABERS agreements and licences	(25,500)
Total revenue	(7,809,557)

Expenditure	\$
Salaries	4,522,617
Operational expenses related to the delivery of ratings	350,537
Training and accreditation	87,870
Stakeholder and communication activities	631,752
Development & innovation projects	484,818
Website development and maintenance (incl capital)	876,289
General operation costs	674,692
Total expenditure	7,961,826

Operating result	(1,222,505)
Cash adjustment – move to NSW Treasury	(5,367,357)
Government funding reserved for FY23 projects*	(3,444,510)
Cash reserves	(11,409,145)

*Includes \$3,591,495 received in FY21

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