

BETTER
BUILDINGS
PARTNERSHIP

ANNUAL REPORT

FY2021

betterbuildingspartnership.com.au

Welcome from the Chair – Chris Nunn

We acknowledge the Gadigal of the Eora Nation who are the traditional custodians of this place we now call Sydney, and pay respects to the elders of this land, both past and present, and to all First Nations Peoples.

For over a decade, senior representatives of progressive real estate organisations, who want to make a positive difference to the environment and society, have worked in partnership with the City of Sydney through the Better Buildings Partnership (BBP). We work together to achieve the City's vision for a Sustainable Sydney by 2030 that is Green, Global and Connected.

Through our ongoing constructive dialogue, we agree on coordinated programs of work that amplify the positive impacts any individual member organisation or the City could achieve in isolation. Even with the ongoing disruption caused by the COVID-19 pandemic, our collaboration has continued to produce remarkable results in the areas of climate change, circular economy, resilience and social equity. A few key highlights of our collective achievements over the last decade are:

- Halving the aggregate base building energy consumption of participating buildings
- Reducing absolute CO₂-e emissions from participating Sydney commercial office buildings by over 60%
- Reducing absolute water consumption by 65%
- All 12 participating real estate company members are now committed to Paris-aligned zero carbon targets; and all are making strong progress in switching to renewable electricity procurement and carbon neutrality, with 5 out of 12 members already fully carbon neutral, and a further 4 member organisations partially carbon neutral and rapidly moving to zero net carbon emissions well before 2030.

Through the BBP, the Sydney commercial property sector is demonstrating global sustainability leadership. The influence of this work extends to member organisations' national portfolios, catalysing broader industry change. We appreciate your interest in this work, and hope you enjoy the many success stories contained in this report. There's a lot to be proud of, but a lot of work still to do.



Acknowledgements

The Better Buildings Partnership (BBP) would like to acknowledge the professional expertise and insights of all its partners and contributors and thank its members for all their commitment to leadership excellence.

MEMBERS



ASSOCIATE MEMBERS



SUPPORTING MEMBERS

Annual Results

Our collective impact



52%*

Commercial office space
in Sydney CBD



87

Office buildings in
Sydney CBD



2,703,175

Square metres
of commercial
office space

Our progress

Emissions



Emissions reduction
(from FY06)



Co2-e avoided
(from FY06)

Energy



49%

Energy reduction
(from FY06)



6.5TJ

Energy avoided
(from FY06)

Water



65%

Potable water reduction
(from FY06)



12.8GL

Potable water avoided
(from FY06)

* Commercial office building floor space (sqm) controlled by BBP members as a percentage of PCA defined CBD commercial office building floor space (sqm)

Annual Results

While floorspace represented by the BBP has fluctuated and increased over time since FY06 (0.32 m²/m²) to FY21 (0.35 m²/m²), the data clearly demonstrates that BBP members continue to deliver decreasing emissions, energy and potable water use over the same period.

Emissions - stationary scopes 1+2+3

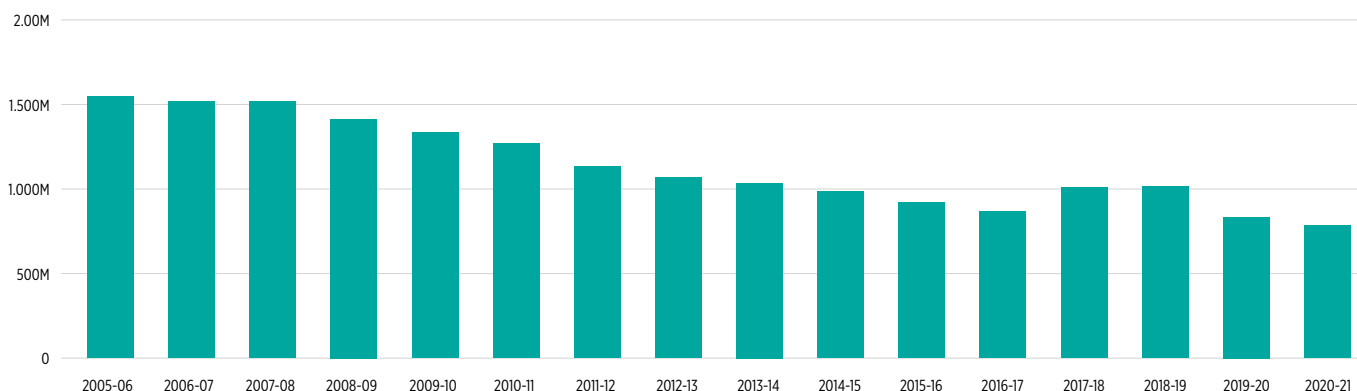
Tonnes CO₂e



Energy - BBP stationary 14/02/22

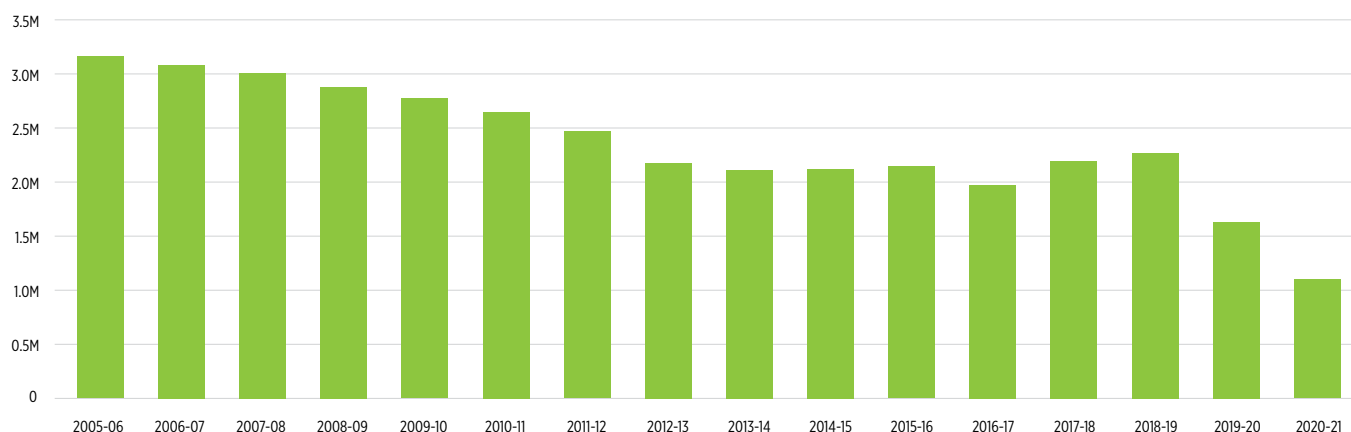
Includes - Electricity, Trigen Electricity, Green Power and Natural Gas

MJ



Water - BBP potable consumption 30/11/21

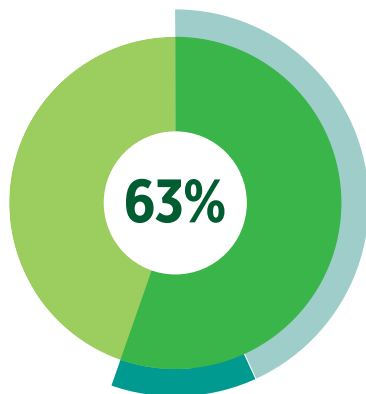
kL



Impact of the pandemic

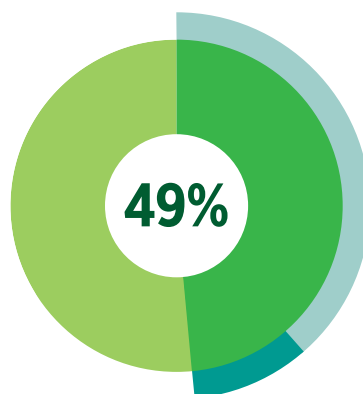
Between 2005/06 to 2020/21, we have achieved

Demonstrates the impact of covid over the last 2 years



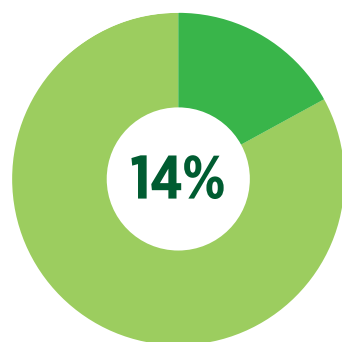
stationary emissions
reduction (absolute)

15%
reduction in the last 2 years

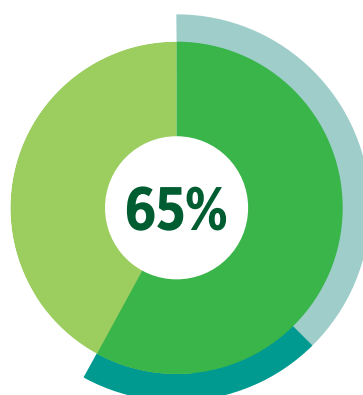


stationary energy
reduction (absolute)

15%
reduction in the last 2 years



proportion of base building
electricity procured from
renewable generation
facilities in FY21



potable water
reduction (absolute)

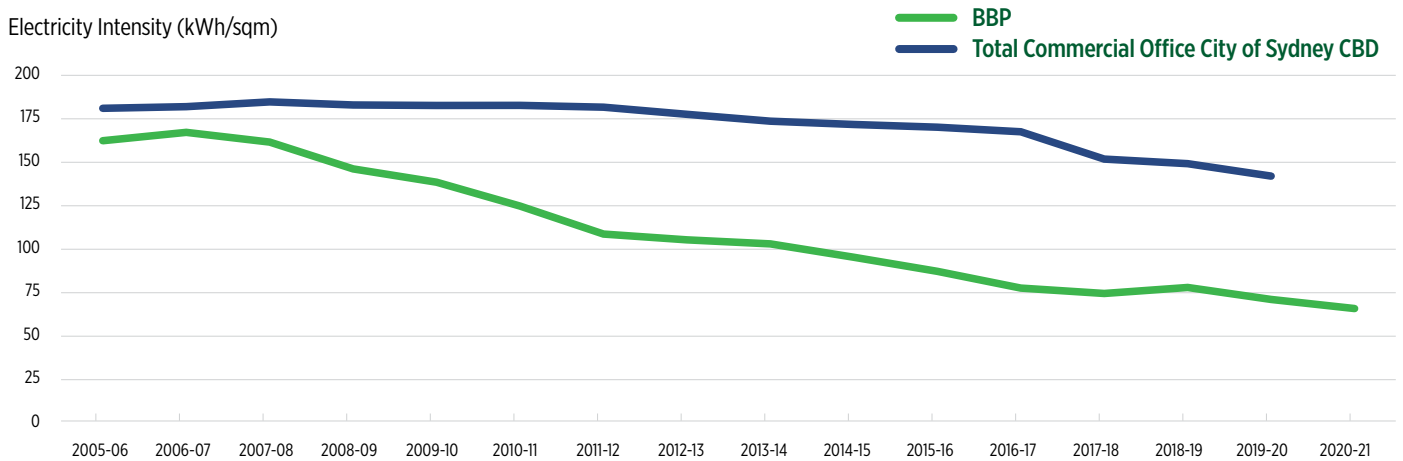
37%
reduction in the last 2 years

BBP vs the commercial office sector in the Sydney CBD

When compared with figures for total commercial office in the City of Sydney CBD, the BBP member contributions and performance are significant.

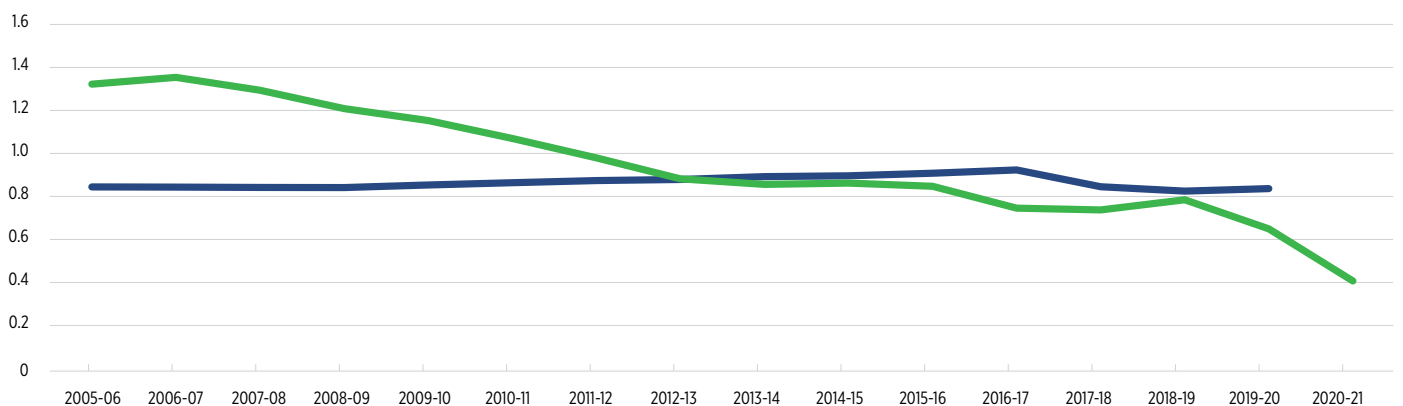
Electricity intensity reduction

Electricity Intensity (kWh/sqm)



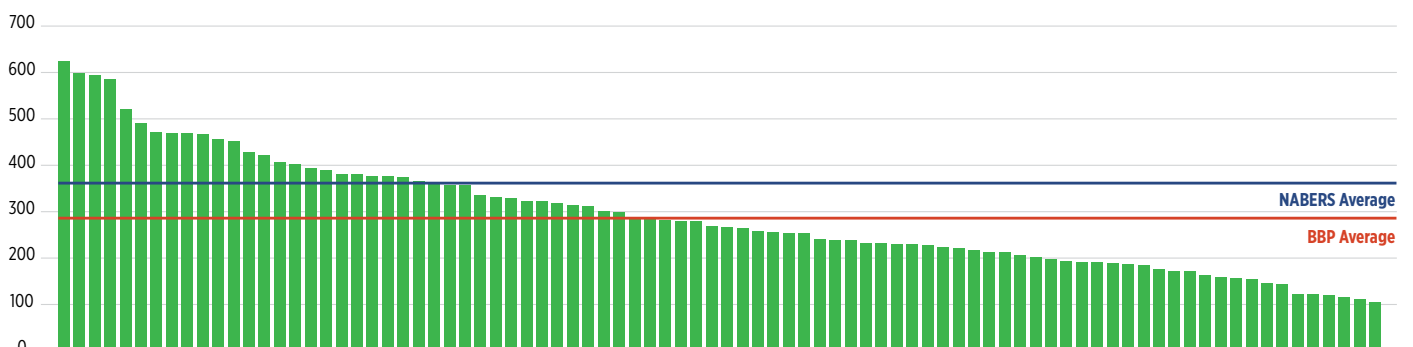
Water use intensity reduction

Water use (kL per sqm)



Benchmarking against best Practice

The average energy performance of BBP buildings is below the NABERS average (FY 2020-21)



Case Study

Non-stop innovation- NSW's first 6 Star Green Star building just keeps giving

More than ten years ago, workplace6 was heralded for its innovation, design and sustainability credentials. It was NSW's first 6 Star Green Star office design building, located on the waterfront in Pyrmont, with a gleaming glass façade and elegant commercial appearance.

In the decade since opening workplace6, the GPT team have continued the work to drive energy intensity down, achieving almost 50% reduction, to just 171 megajoules per square metre.

It has been achieved through several initiatives including energy efficiency projects, on- and off-site renewables including modular solar panels and GreenPower, electrification as part of lifecycle upgrades, and offsetting each tonne of residual emissions with two tonnes of offsets. These initiatives have delivered carbon positive outcomes.

Collaborating with industry is key for the GPT Group, who worked with Climate Active and NABERS to align these programs with the International GHG Protocol. The result: workplace6 was the first building to achieve carbon neutrality in alignment with the international carbon accounting process.

GPT plays an active role with the BBP and other members, sitting on multiple working groups to share their insights and learn from others. They work closely with the BBP to advocate for a common framework to measure waste, resulting in the NABERS Waste rating tool with workplace6 to be amongst the first buildings to achieve this rating.

'Establishing relationships through multiple industry collaborations enables us to build trust and collaboration. There is a preparedness to collaborate and the BBP provides an efficient place to do this.' Steve Ford, Head of Sustainability and Energy at GPT.

Constant innovation through a culture of collaboration and a desire to improve environmental and social outcomes contributes to workplace6 remaining best-in-class for well over a decade. We can't wait to see what the next decade brings.

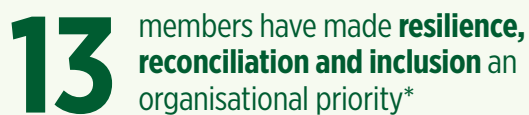


Images supplied by GPT, Workplace6

Our transition to a low carbon economy



members committed to achieve **net zero emissions** across at least scope 1 + 2 by 2030*
Others have a commitment by 2050



% of base building **electricity procured from renewable generation** facilities in FY21



*Note: source is the BBP members FY20-21 qualitative survey data, includes BBP property owner members only; excludes GBCA, NABERS, GECA, PCA, Colliers, CBRE and JLL

Building on our success

What's next for the BBP

- › **Purchasing** and accounting for renewable energy
- › **Best** practices for electrification of buildings
- › **Shifting** toward a circular economy
- › **Using** procurement to shift supply chains toward Net Zero & Circular Economy outcomes
- › **Purchasing** carbon offsets with additional benefits (e.g. regenerating nature)
- › **Making** buildings and communities more resilient to the predicted impacts of climate change
- › **Supporting** the transition to electric and autonomous vehicles.

How will we achieve this?

For the next 4 years (FY22 - FY26) the BBP will focus on three core areas across the working groups:

1

Circular Economy

To move the sector to more circular methods of procurement, use and recovery of materials

2

Climate positive

To deliver efficient buildings that reduce carbon emissions and create biodiversity and other co- benefits through quality offsetting

3

Resilient and inclusive buildings and places

To work in partnership with others to ensure a focus on Reconciliation with our First Nations peoples and deliver buildings and places that are sustainable, resilient, accessible and inclusive

Our BBP values

The BBP works together to drive a sustainable, resilient, inclusive city and a positive industry impact across Australia and beyond.



Sustainable future

We work together to create a sustainable future



Courtesy & respect

We care about people and treat each other with courtesy and respect



Ideas & knowledge

We openly share ideas and learn from each other



Lead by example

We lead by example by defining and implementing best practice



Accountability

We measure our achievement toward our goals



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