



# **Collaborating to decarbonise building and construction**

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## Who we are

The Australian Sustainable Built Environment Council (ASBEC) is a collaborative forum of peak bodies in the built environment, focused on sustainable, productive and resilient buildings, communities and cities.



# Implications of megatrends in property

## Climate action

- Buildings are responsible for **39%** of global carbon emissions
- Energy demand will increase by **50%** by 2050

## Resource efficiency

- Buildings are responsible for **50%** of global material use
- **42.4bn** tonnes of materials consumed annually

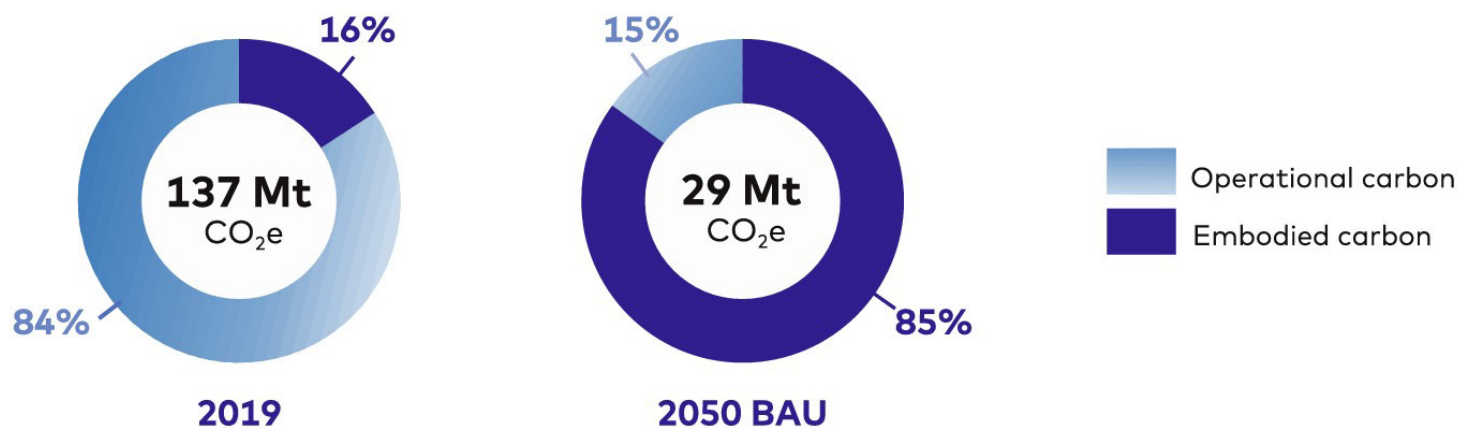
## Health and wellbeing

- **91%** of people live where air pollution levels exceed World Health Organization limits
- People are **40%** more likely to have asthma due to living in a home with damp or mould

## How will this change into the future?

By **2060**, global population is projected to will increase 27% to **9.8bn**  
and global floor area will increase by **100%**

# Embodied emissions could represent up to 85% of Australia's built environment emissions by 2050



Carbon emissions from Australia's building stock in 2019 and 2050 (Source: GBCA & Thinkstep ANZ, Embodied Carbon & Embodied Energy in Australia's Buildings)

# Preparing the built environment for a net zero emissions future is a shared responsibility





## Sustainability and climate reporting

- The largest Australian companies and financial institutions must make climate disclosures commencing in the 2024/25 reporting period
- From the 2027/28 Reporting Period, it is expected the scope of reporting entities would be expanded significantly
- Any strategy based on offsets will become expensive and uncertain



# EVERY BUILDING COUNTS

2023 EDITION

**Innovating for a greener, healthier,  
and more equitable built environment**

FOR THE FEDERAL GOVERNMENT

ASBEC Electrification Report

# POLICY THEMES





# TOWARDS ZERO EMBODIED CARBON

-  **8.1** Adopt a credible national framework for measuring embodied carbon.
-  **8.2** Introduce embodied carbon targets into the National Construction Code.
- 8.3** Create an embodied carbon national database for products and materials.
- 8.4** Introduce embodied carbon reduction requirements for government projects.
- 8.5** Support Australian product manufacturers and overseas importers to calculate and disclose embodied carbon content.



## What do we need from you?

1. Get involved!
2. Break down barriers
3. Share your solutions so we can leverage what works
4. Supply chain certainty
5. Capacity building
6. Broader scope (e.g. circularity)



*Thank you*

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