



Understanding Decision-Making Processes to Meet or Exceed BASIX Requirements

New residential buildings will be a major part of our housing stock for the next 50-100 years

The Building Sustainability Index (BASIX) is a sustainability planning measure to improve energy and water efficiency for new homes in NSW.

The decision to meet or exceed BASIX minimum standards is usually made in the design-construction process. Very often, these standards are sometimes seen as the ‘ceiling’ rather than the ‘floor’, which can result in lower thermal and energy efficiency and thus impact liveability and running costs.

There is a need to understand how decisions are made throughout the building process and who the key actors are that can influence and drive positive outcomes.

The NSW Government understands the key role it must play in driving carbon reductions for new residential buildings. To support this, we are investigating the decision-making processes and key influential factors throughout the building process to inform government interventions.

Project activities include:

- Identifying key market segments
- Conducting case studies across each market segment
- Mapping decision-making processes and key influencers
- Identifying barriers, drivers, norms and opportunities
- Generating insights for potential intervention options

The impact of action

Our research will:

- Improve decision-making by all relevant actors in the residential building sector to increase efficiency.
- Enable evidence-based government interventions to encourage these actors to go beyond the minimum BASIX requirements.

Increased efficiency for all new residential buildings will enable significant reductions of greenhouse gas emissions from the residential sector.



LOW CARBON LIVING
CRC

Coordinated by the CRC for Low Carbon Living, the NSW Energy Efficiency Decision Making Node is part of the Energy Efficiency Research Hub. The Node is a research collaboration between CSIRO and the Universities of Wollongong and UNSW. With a track record of high-quality, rigorous and end-user driven research, it is delivering research outcomes to help reduce greenhouse gases and improve energy efficiency. Key research areas are:

- Energy efficiency investment decisions
- Efficient products, technologies and services
- Practical and achievable energy-saving actions



FURTHER INFORMATION

For more information about this project, please contact:
 CRC For Low Carbon Living
 E: s.summerhayes@unsw.edu.au
 T: +61 2 9385 0394
 W: lowcarbonlivingcrc.com.au



UNSW
SYDNEY



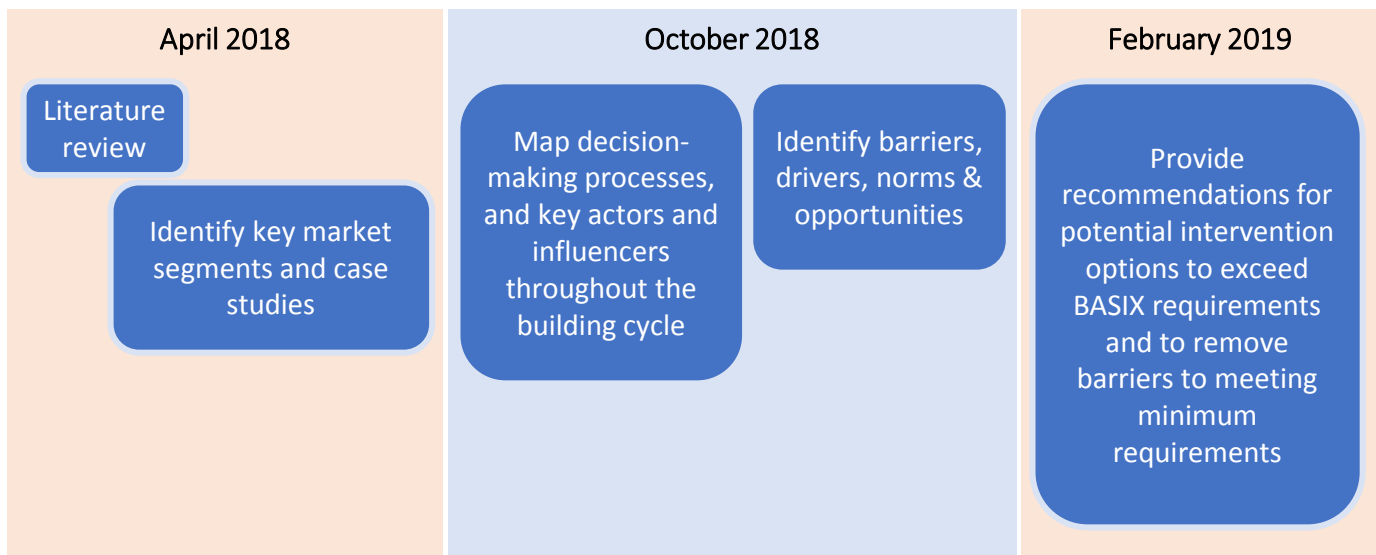
UNIVERSITY
OF WOLLONGONG
AUSTRALIA

Research outcomes

Our research will deliver an understanding of:

- The characteristics and attributes of key market segments across the residential building sector from design to construction.
- The factors that drive decisions to achieve or exceed BASIX requirements throughout the building process, and the opportunities and effective decision points for interventions.
- The intervention options that will encourage all relevant actors to exceed BASIX requirements and remove any barriers to achieving minimum standards.

Steps



What excites us

We will understand what motivates and influences the decisions of designers, builders and developers to meet or go beyond the minimum BASIX requirements. We will understand how and where these decisions are made throughout the whole building process.

The findings will inform the NSW Government's intervention to enable a significant increase of energy efficiency in the residential sector.