



Future proofing residential development to climate change

Waverley, Randwick and Woollahra Councils have jointly received an *Increasing Resilience to Climate Change* grant, to address climate change vulnerabilities in our community with a focus on energy and water.

This funding will enable us to:

- Implement actions to address identified risks
- Enable regional consideration of climate change impacts in decision-making
- Implement adaptation actions beyond business-as-usual and
- Enhance our adaptive capacity.

Working with State Government colleagues, this project aims to enhance the resilience of residential housing in the eastern beaches region by working to complement existing regulatory controls with Council-led initiatives that can reduce energy, emissions and potable water use.

The project comprises a two-step process:

1. Model the effects of BASIX performance with NSW climate projections to determine effects of climate change on water demand, energy and emissions in BASIX compliant buildings
2. Implement actions to reduce risks and potential costs to occupants, or capture opportunities for optimising outcomes in regards to emission reductions, energy performance and water

In doing so, the project seeks to clarify pathways available for council to enable new approaches to meet the State Government's regional planning priorities ¹:

E19 Reducing carbon emissions and managing energy, water and waste efficiently

E20 Adapting to the impacts of urban and natural hazards and climate change

And thereby help realise objectives for the future of Greater Sydney, specifically:

Objectives in the Metropolis of Three Cities, a Plan for Growing Sydney ²

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| 33 | A low-carbon city contributes to net-zero emissions by 2050 and mitigates climate change. |
| 34 | Energy and water flows are captured, used and re-used. |
| 35 | More waste is re-used and recycled to support the development of a circular economy. |
| 36 | People and places adapt to climate change and future shocks and stresses. |
| 37 | Exposure to natural and urban hazards is reduced. |
| 38 | Heatwaves and extreme heat are managed. |

¹ Eastern District Plan

² A Metropolis of Three Cities

This project has been assisted by the New South Wales Government and supported by Local Government NSW, and our council partners.

