

Quick Facts

About BASIX

BASIX – the Building Sustainability Index – measures the potential performance of new residential dwellings against sustainability indices.

BASIX ensures each dwelling design meets the NSW Government's targets of a 40% reduction in water consumption and a 25% reduction in greenhouse gas emissions, compared with the average home.

The targets are a reduction compared to the state average of:

- 3,292kg CO2 per person, per year
- 90,155 litres per person, per year

Over 10 years, BASIX will save:

- 287 billion litres of water (equivalent to 15% of a full Warragamba Dam)
- 9.5 million tonnes of greenhouse gas emissions (equivalent to taking 2.6 million cars off the road)

Impact

Currently, DIPNR is monitoring a sample of BASIX compliant home designs across Sydney that are now in the development approval and construction process. Of note:

- Every home had a **rainwater tank** (average size is 4,000 litres), the majority of which will be plumbed to the toilet and laundry
- 1 in 4 of these homes will have a **solar hot water system** – maximising their savings on energy bills and massively reducing their greenhouse gas emissions.
- Over 40% of the homes have included **performance glass and double glazing** to ensure their home is **more comfortable and cheaper to run** – this has been a huge boost to the glazing and window industry.

Timeline

1 July 04	New single dwellings and dual occupancy; In Sydney
1 July 05	all new residential dwellings, including single dwellings and multi-units (eg. villas, townhouses and low-rise, mid-rise and high-rise developments).
1 Oct 05	all residential alterations and additions throughout NSW.
1 July 06	BASIX energy target is increased to 40% reduction in greenhouse gas emissions

Contacts

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