

DESIGN AND PLACE SEPP

Sustainability in Residential Buildings

Proposed changes to BASIX

All new homes and renovations over \$50,000 must meet the BASIX sustainability standards. These standards are for energy and water use and thermal performance of the home. We are proposing some changes to BASIX standards and processes as part of the integration with the Design and Place SEPP. This document outlines the proposals that have been included in the proposed Design and Place SEPP.

Increasing the standards for energy and thermal performance

We are proposing to increase the standards for energy use and thermal performance. The proposed changes are consistent with the NSW Government's Net Zero Plan and the proposed increases to the National Construction Code.

The proposed standards are the result of a rigorous cost benefit analysis. We plan to review these standards every few years to meet the Government's net zero objectives and its commitment to the national Trajectory for Low Energy Buildings.

Introducing a new requirement for embodied carbon emissions

To assess the embodied carbon emissions of the material used to build each home, we plan to add a new BASIX materials index. It will be similar to the three existing BASIX components. That is, the developer will need to enter some additional information about

the development and meet a standard for the embodied carbon emissions.

Introducing an alternative merit assessment pathway

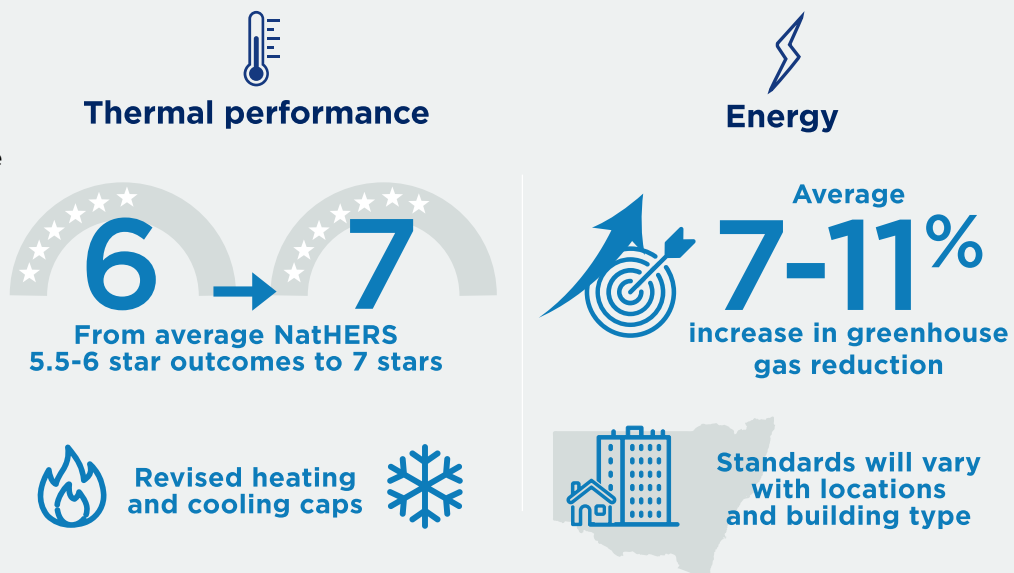
To provide greater flexibility in demonstrating that a development has met the NSW sustainability requirements, we plan to introduce a merit assessment pathway. This will allow a recognised professional to complete a sustainability assessment using other accredited modelling software. Assessments using this pathway can be submitted as part of a development application as an alternative to a BASIX assessment.

Updating the BASIX Tool

To improve the user experience, we are rebuilding the BASIX Tool to integrate it with the Planning Portal. As part of this, we are updating some of the BASIX methodologies (e.g. for lifts, lighting and appliances) to reflect ongoing innovation and feedback from our stakeholders.

The consultation on the proposed higher thermal performance and energy efficiency standards commenced on 17 November 2021 and will continue throughout the exhibition of the draft Design and Place SEPP.

Figure 1:
Proposed
increases
for energy
and thermal
performance
standards.



Increased BASIX standards – Frequently asked questions

1. What is BASIX?

The Building Sustainability Index (BASIX) is an important part of NSW's development application process. It mandates standards to reduce water and energy consumption, and greenhouse gas emissions from new houses and apartments. BASIX also sets thermal performance requirements to ensure that homes stay cool in summer and warm in winter without using a large amount of energy.

BASIX was introduced on 1 July 2004. Since its introduction, more than half a million homes in NSW now meet BASIX water and energy saving standards. These homes are collectively estimated to have saved 340 billion litres of potable water, and reduced emissions equivalent to 12.3 million tonnes of carbon dioxide (CO₂). That is equivalent to 135,000 Olympic swimming pools, and the CO₂ offset from planting 40 million trees.

2. Why is the NSW Government increasing BASIX standards?

Current BASIX thermal performance and energy standards have been in place since July 2017.

In 2019, the Energy ministers of the federal, state and territory governments agreed to the Trajectory for Low Energy Buildings, a national plan that aims to achieve zero energy and zero carbon-ready buildings. The national plan proposes making cost-effective increases to the energy efficiency requirements of the National Construction Code for residential buildings from 2022.

The NSW Government is committed to the Trajectory for Low Energy Buildings and sets an aspirational net zero emission target by 2050. The government is also committed to halving emissions from 2005 levels by 2030 in its latest implementation update for Stage 1 of the Net Zero Plan.

NSW is bringing BASIX thermal performance and energy standards in line with the proposed changes to the National Construction Code, which are planned to begin in 2022. The higher energy standards will also deliver strong government action towards our net zero target.

BASIX water saving standards will stay the same.

3. Does the government propose higher standards across NSW?

The government proposes increasing the BASIX standards for thermal performance and energy for all new residential buildings across NSW except for:

- homes in the North Coast climate zones
- small apartment buildings of up to 5 storeys in NSW.

For homes in the North Coast climate zones and small apartment buildings in NSW, modelling from the cost-benefit analysis by ACIL Allen shows that the benefits of energy bill savings from households that meet higher standards are not enough to cover the extra upfront costs.

4. When will the higher standards apply?

The higher standards will apply from late 2022. For now, we are upgrading the BASIX assessment tool, which will be available when the revised standards begin.

5. What changes does the government propose?

We propose higher BASIX thermal performance and energy standards, except for homes in the North Coast climate zone and small apartment buildings of up to 5 storeys in NSW.

The higher BASIX thermal performance standards will be at least 7 stars, based

on the star-rating scale defined by the Nationwide House Energy Rating Scheme.

This is consistent with what the Federal government proposes for the National Construction Code for 2022. Currently, homes that comply with BASIX have been achieving 5.5 to 6 NatHERS stars on average.

The higher energy standards proposed will vary with location and building types. Different standards are set to account for the climatic conditions in NSW and energy use from shared services (such as lifts) and common areas (such as lobbies and corridors) in apartment buildings.

The NSW electricity grid has, over time, become greener as we produce more electricity from renewable energy sources. We plan to recognise this in the proposed new energy standards by updating the greenhouse emissions factor when we calculate the energy consumption.

6. Does the government propose changing the BASIX water standard?

BASIX water standards will stay the same across NSW and will be carried across into the proposed new BASIX assessment tool.

7. How can developers and home owners meet the higher standards?

Developers and home owners can choose from a range of measures to meet the proposed higher thermal performance and energy standards as part of the design for development approval. Measures* for a typical home to meet the higher standards may include:

- installing more insulation, improving the performance and location of windows, as well as using good air flow, shading and sunlight to cool and heat homes naturally
- selecting a more energy-efficient hot water system such as an electric heat pump or a solar hot water system
- installing photovoltaic panels to supplement a 5-star gas hot-water system commonly used to meet the current energy standards
- choosing a more efficient heating and cooling system, such as a 3-star reverse cycle air-conditioning system.

The free Design for Place designs from Your Home can help you meet the proposed higher thermal performance standards.

*Refer to **Figures 2, 3 and 4** to find out the new ways to satisfy the higher standards.

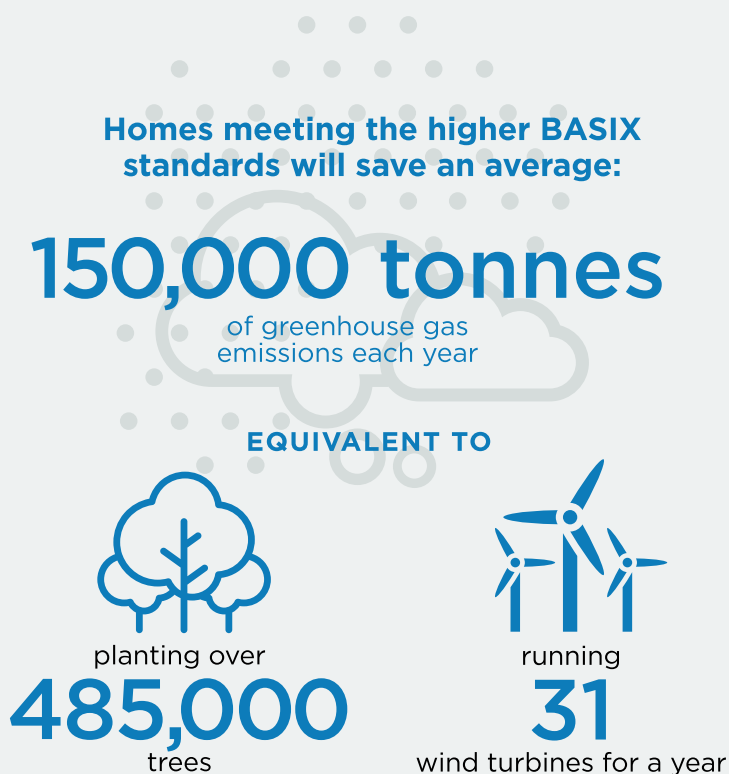




Figure 2:
Example of a home that includes features to satisfy current BASIX requirements.

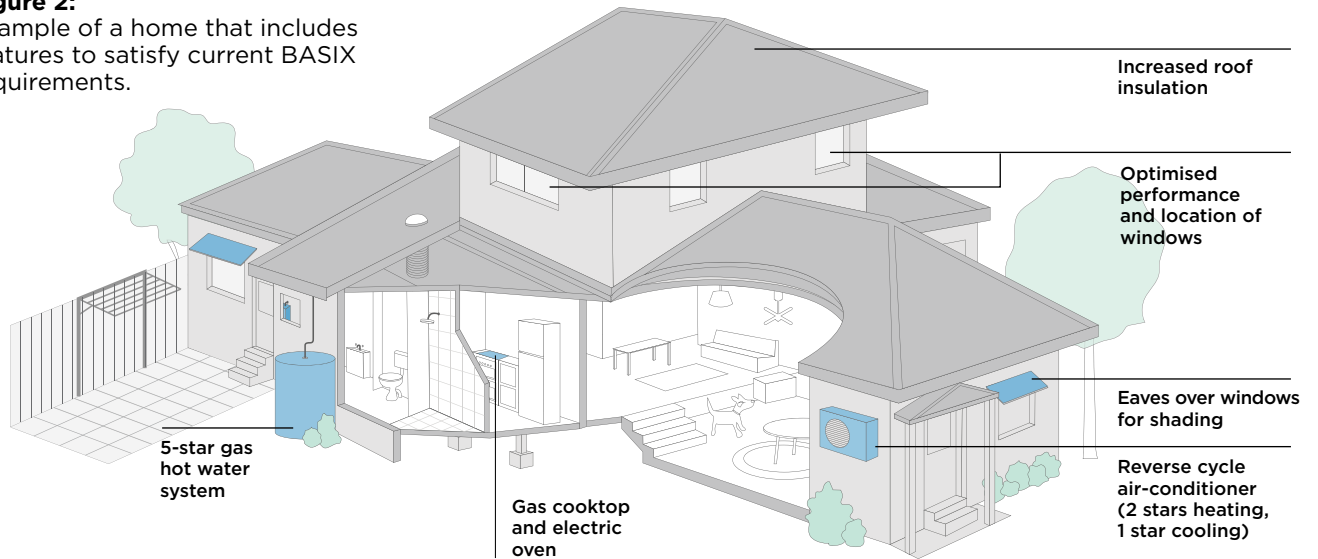


Figure 3:
Example of a home that includes 'all electric' appliances to meet proposed higher BASIX requirements.

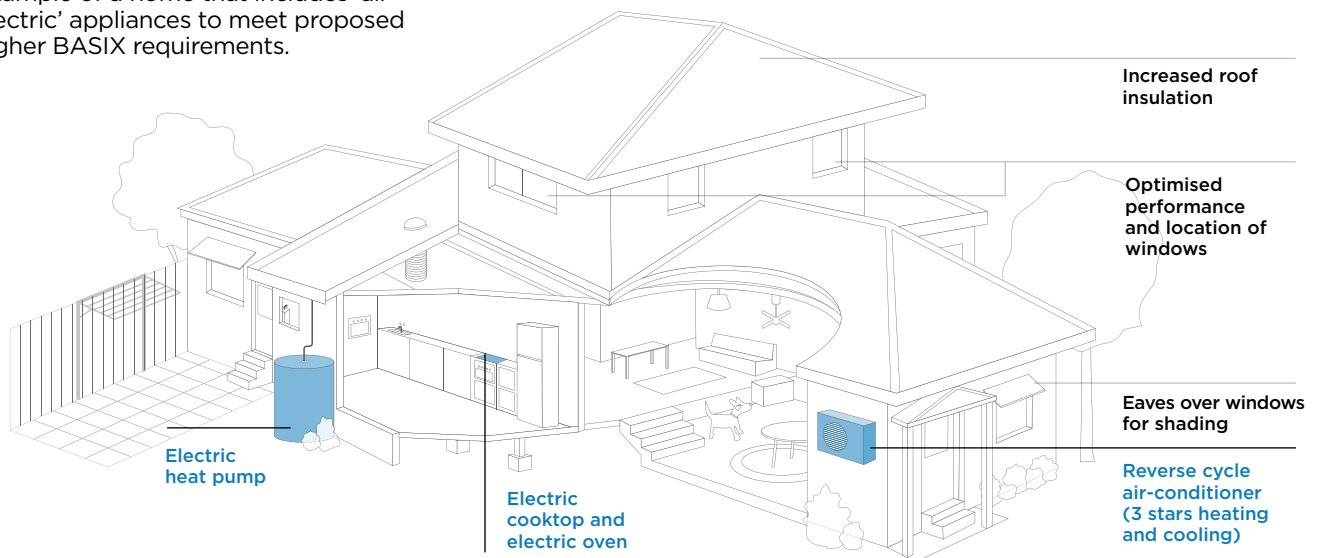
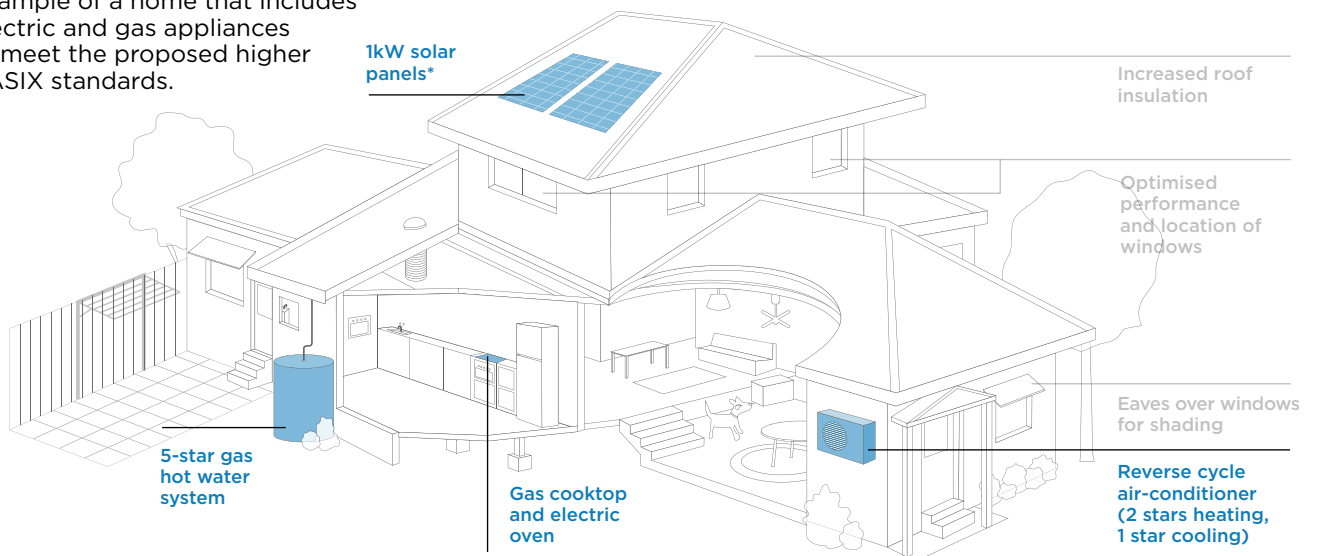


Figure 4:
Example of a home that includes electric and gas appliances to meet the proposed higher BASIX standards.



*Actual size depends on location and efficiency of other appliances

8. Will the higher standards increase the cost of construction?

Modelling from the cost-benefit analysis by ACIL Allen found that an average house in Western Sydney will cost an additional \$7,152 to build, and an average high-rise apartment unit an additional \$831 to \$953 to satisfy the higher standards. However, these costs over the lifetime of a mortgage are offset by the lower ongoing energy bills, which will also increase the household's disposable income. Examples of projected energy bill savings are outlined in the response to Question 9 below.

9. What are the benefits of the higher standards?

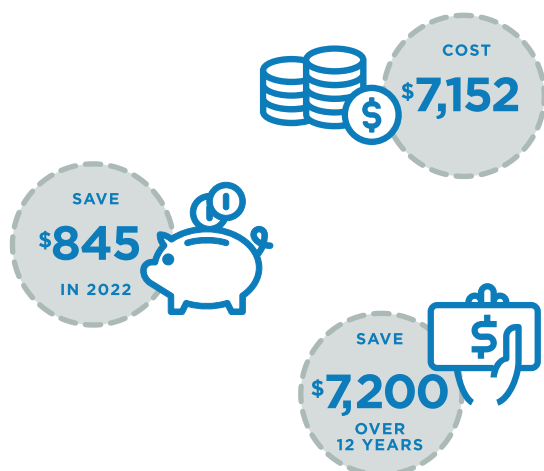
Cheaper energy bills

Occupants of homes meeting the proposed higher standards will use less energy. Estimated energy bill savings, based on forecast 2022 energy prices, will vary with locations and building types:

- Occupants of new high-rise apartment blocks in suburban Sydney could save between \$91 and \$196 on yearly energy bills.
- Occupants of houses in Western Sydney can save \$840 to \$850 on yearly energy bills in 2022. Those living in large houses in Western Sydney could save \$365 on yearly energy bills.
- Energy bill savings for people living in regional areas varies with locations. Those in Wagga Wagga will save \$330 and those in Dubbo could save \$981 on yearly bills.

The energy bill savings will also reduce financial stress on households.

An average home meeting the higher BASIX standards will:



More comfortable homes

Homes meeting the proposed higher thermal performance standards will be naturally cooler in summer and warmer in winter. Occupants won't need to turn on the heater or air conditioner as often.

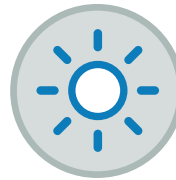
Lower carbon emissions

The proposed higher standards will reduce emissions by another 150,000 tonnes a year, which is equivalent to planting 485,000 trees.

Living in homes meeting higher BASIX standards will:



Save money



Be more comfortable



Feel better

10. Does the proposed higher BASIX standard allow all-electric homes?

Yes. Homes with electric heat pump hot water systems, efficient reverse cycle air conditioners and induction cooktops can achieve the higher BASIX standard. These homes are net zero carbon-ready as renewable energy systems such as solar panels can offset their greenhouse gas emissions.

Cost-benefit analysis – overview

ACIL Allen prepared a report that investigates the costs and benefits of increasing BASIX standards. Frequently asked questions about the report are answered below.

1. What is the purpose of the cost-benefit analysis?

The purpose of the BASIX cost-benefit analysis is to evaluate the advantages and disadvantages of setting higher thermal performance requirements and energy standards for buildings. These proposed BASIX standards align with the proposed increases in energy-efficiency requirements in the National Construction Code, which are planned for 2022.

In its analysis, ACIL Allen follows a similar methodology to the Consultation Regulation Impact Statement for the proposed increases in National Construction Code 2022 requirements, released on 20 September 2021.

2. What options did the analysis consider?

BASIX cost-benefit analysis models the extra upfront costs and benefits from the higher thermal performance and energy standards based on the 2 options (Options A and B).

Table 1 summarises the specifications for the 2 options.

The BASIX water standards stay the same and are not considered in the cost-benefit analysis.

3. What does the analysis show?

The cost-benefit analysis estimated the costs and benefits associated with the higher BASIX standards at the statewide and individual household levels.

The cost-benefit analysis found that both Options A and B produced a benefit-to-cost ratio (BCR) of less than one at the statewide level. A BCR of less than one means that the option is not cost beneficial and results in a net cost.

Option A has a BCR of 0.36 after benefits from energy savings, carbon emission offsets and quantifiable health benefits are included. In other words, Option A is estimated to bring \$0.36 of benefits to NSW from each dollar spent.

The BCR of Option B is lower at 0.16, or a benefit of \$0.16 from each dollar spent.

Table 1. Options A and B in the BASIX cost-benefit analysis

OPTIONS	SPECIFICATIONS
Option A: A higher increase in standards	Thermal performance: <ul style="list-style-type: none">— Equivalent to 7 stars, as defined by the Nationwide House Energy Rating Scheme (NatHERS) Energy standards: <ul style="list-style-type: none">— 30% lower energy use budget than Option B— Two scenarios with gas and electric hot water systems were considered
Option B: A lower increase in standards	Thermal performance: <ul style="list-style-type: none">— Equivalent to 7 NatHERS stars Energy: <p>Consider the outcomes equivalent to the central case specifications in the Consultation Regulation Impact Statement for the National Construction Code:</p> <ul style="list-style-type: none">— Heating and cooling equipment: equivalent to 3-star rated air conditioners— Hot water system: 5-star gas instantaneous system— Lighting: 4 Watts per square metre

In contrast, the BCRs of the options at an individual household level are much higher, especially under Option A. The BCRs for dwellings considered in the cost-benefit analysis are higher than one, except for the house modelled in Ballina (North Coast climate zone) (DH9*) and the low-rise apartment building (LR*) across NSW.

BCRs between the statewide and individual household levels are significantly different because:

- wholesale energy prices are used to estimate the benefits of reduced energy consumption at the statewide level, while retail prices are used to measure BCR at the household level
- other energy users may need to pay more in energy bills to compensate for the bill savings from households in new homes that meet the higher standards, as energy retailers need to recover the fixed network costs and other overhead costs
- the cost-benefit analysis does not quantify some of the benefits to health and wellbeing of occupants, and indirect effects on the energy system and public spending.

Based on results at the individual household level, higher BASIX standards could apply to locations and building types with BCRs higher than one under Option A – that is, new homes across NSW, except houses in the North Coast climate zone and apartment buildings of 5 storeys and lower.

4. Are there any differences between the National Construction Code impact statement and the BASIX cost-benefit analysis?

Yes. The BASIX cost-benefit analysis examines the effects of the proposed increases in more detail. This includes;

- expanding the dwelling sample to cover more locations in NSW.
- investigating the extra costs and benefits relative to the current BASIX requirements in NSW.

Apartment buildings

The BASIX cost-benefit analysis considers the energy standards for apartment buildings. This includes the energy efficiency of units as well as shared services. For example, central hot water systems and solar panels.

The impact statement for the National Construction Code considered apartment units only.

**These are codes used in the CBA report*

Proposed changes to the National Construction Code 2022 only cover the energy efficiency requirements of units.

Calculations in the BASIX cost-benefit analysis are consistent with the impact statement for the National Construction Code.

The BASIX calculation method was used to calculate energy savings between the options and the business-as-usual scenarios. The calculations will be different from those reported in the impact statement for the National Construction Code.

Appendix B of the BASIX cost-benefit analysis explains how it differs from the impact statement for the National Construction Code.

5. Does the BASIX cost-benefit analysis use the same base case as the National Construction Code impact statement?

For thermal performance, yes.

For thermal performance, the BASIX cost-benefit analysis has the same base case as the National Construction Code impact statement. The base case is set at 6 NatHERS stars for all jurisdictions. Both the BASIX cost-benefit analysis and National Construction Code impact statement recognise that there is a level of over-compliance, and many dwellings are built at ratings higher than 6 stars.

For energy usage, no.

The base cases used in the BASIX cost-benefit analysis were higher than the baseline for the National Construction Code impact statement because:

- the 2019 National Construction Code provisions do not have the same performance-based requirements for energy usage that covers the entire house as BASIX does
- base cases in BASIX cost-benefit analysis were determined by how BASIX-affected buildings satisfy the current BASIX standard for energy.

6. What greenhouse gas emission factor did the analysis use for grid electricity?

ACIL Allen used the 2021 emissions factor from grid electricity in NSW to calculate the greenhouse gas emissions from operation of the base-case buildings.

They used projected emission factors from 2022 onwards to estimate emissions from the operation of buildings considered under Options A and B.

Emission factor from grid electricity is the amount of greenhouse gas (for its carbon dioxide equivalent, CO₂-e) emitted from a unit of electrical energy generated and transmitted through the grid to households.

7. What energy prices did the analysis use?

Wholesale energy prices were used for the economy-wide modelling of benefits. Retail energy prices were used to model benefits at the household level.

These energy prices were also used in the Consultation Regulation Impact Statement for the National Construction Code.

8. Did the analysis model prices of gas and electricity over time?

Yes. ACIL Allen modelled the price of gas and electricity going up over time from 2022 to 2061. The forecast prices of gas and electricity generally increase from 2022 to 2040 and remain steady from 2040 to 2061.

9. How do the options in the analysis compare with homes being built in NSW now?

The comparisons vary for locations across NSW.

For a detached house in Sydney:

- 10% of homes have BASIX energy scores equivalent to Option A or higher
- 15% of homes have BASIX energy scores equivalent to Option B or higher.

For houses in Ballina, however:

- 70% of homes have BASIX energy scores equivalent to Option A or higher
- All homes achieve BASIX energy scores equivalent to Option B.

10. How do hot water systems and air conditioners in the analysis compare with homes being built in NSW now?

Approximately 76% of houses in NSW have gas instantaneous hot water systems that meet current BASIX requirements.

The analysis considered that most of the houses would still specify gas instantaneous systems in Options A and B.

Less than 5% of houses in NSW have specified air conditioners with the same efficiency as the 3-star rating. The analysis considered that 3-star air conditioners will be specified in Option A (electric hot water system) and Option B.

The heating and cooling system specifications in Option A (gas hot water system) are typical in houses over-compliant with current BASIX requirements. Around 20% of the houses in Sydney are over-compliant with current BASIX requirements.

11. Does Option B require air conditioners? Homes with good passive design do not necessarily need them.

A home with good thermal performance has a reduced need for heating in winter and cooling in summer.

We have assumed in the cost-benefit analysis modelling that installing an efficient air conditioner will service the modest heating and cooling needs of a NatHERS 7-star home. Of course, installation of an active heating and cooling system (such as an air conditioner) is a choice for those building a new home. Upfront costs could be reduced by relying on the sun to warm the home in winter, and shading and good air flow to cool in summer.

12. Did the analysis consider how the extra costs might be offset, such as choosing to build smaller houses?

The extra upfront cost of meeting the proposed BASIX standards has little effect on disposable income when factored into the average mortgage over 25 years. This is because a small increase in monthly mortgage payments is offset by energy bill savings.

A smaller build would reduce both the upfront cost of construction and energy bills because less energy would be required to heat and cool the home.

Materials index

1. Why are we introducing a materials index?

The NSW Government's Net Zero Plan aims to reduce greenhouse emissions from buildings. To do this, we need to reduce the embodied emissions of the materials used in constructing new buildings and ensure that emissions stay low once buildings are established. Adding a materials index to BASIX is an important first step to reducing the embodied emissions of new homes.

2. How will the materials index work?

The BASIX materials index calculates the embodied emissions of a home and compares it to a benchmark. This is also how the other BASIX indices work.

The home's embodied emissions must not exceed a BASIX score of 12.5 tonnes CO₂ per person for houses, and 9.4 tonnes CO₂ per person for apartment buildings.

The BASIX materials index will calculate the embodied emissions of a home by:

- estimating the volume of different materials used in the home's construction, based on materials selected
- applying an emissions factor for that material.

The emissions factors represent the embodied emissions from the production and use of a building material over the life of the home. For example, maintenance and replacement. Default factors for embodied emissions of materials will be based on the well-recognised EPiC database.

3. What can I do to make my design meet the materials index requirements?

To improve the materials index score (i.e. reduce the embodied emissions), the building designer can either:

- use less of a particular material. For example, changing the home's design, or
- substitute one building material for another building material with lower embodied emissions.

4. Do I need to use the default factors?

In most cases, yes. However, if your material isn't included in the BASIX materials index you can use the BASIX alternative assessment process to submit information verifying the emissions factor of your material. We will review the documentation and if approved, we will substitute the emissions factor into the calculation for you.

5. Won't using lower embodied emissions materials like timber reduce the home's thermal performance?

No, the design will still have to meet all the other BASIX requirements such as thermal performance, energy and potable water use.

BASIX provides flexibility for the designer to choose the materials, appliances and other design elements for the home to meet all the BASIX requirements.

The materials chosen will affect the cost, embodied emissions and the thermal performance of the home.

6. Will the standards change?

The standards have increased moderately and could change as we gather more information. We will consider increasing the standard as demand for low embodied emissions materials grows.

Demand for lower embodied emissions materials is still developing as the building design and construction industry adjust to these changes.

For these reasons, we have set the initial standard at a relatively modest level. Over time, as we gather more data, and the market for low embodied emissions materials develops, we will examine increasing the standard.

Merit assessment pathway

7. Can I trade off the materials index requirement by achieving a higher score for (operational) energy use?

No, meeting the materials index standard will be a standalone requirement. This means that you won't be able to trade-off by achieving a higher score for (operational) energy or any of the other BASIX components.

As we gather more data about embodied emissions, we will investigate the possibility of linking the embodied emissions and operational emissions requirements.

8. How will the selected materials be checked?

The certifying authority will check the materials with other commitments on a BASIX certificate. This happens at the construction certificate and/or occupation certificate stage.

The materials selected by the designer in the BASIX assessment will form part of the commitments in the BASIX certificate.

9. Why aren't you including 'end of life' emissions?

- There is less data available to generate reliable estimated emissions
- The current BASIX requirements regulate the design of a new home but do not specify requirements at the end of a home's life.

We recognise the effect that the reuse, recovery and recycling of materials can have on a home's embodied emissions at the end of its life. This is being investigated by areas government and industry to understand the 'end of life' issues in more detail.

1. What is the Merit Assessment Pathway?

The Merit Assessment Pathway (MAP) gives the flexibility to use other methods to assess the sustainability compliance of a residential design.

The same residential sustainability standards apply whether the design is assessed using the BASIX tool or the MAP.

These standards are specified in Schedule 1 of the Design and Place State Environmental Planning Policy. It includes standards for thermal performance, energy and water use and embodied emissions.

2. Why are we introducing the Merit Assessment Pathway?

The Merit Assessment Pathway has been introduced to broaden the options for designers to demonstrate compliance with residential sustainability standards in the planning system.

3. Who can use the Merit Assessment Pathway?

The Merit Assessment Pathway can be used for any residential development that requires a BASIX certificate. Including, houses, townhouses and apartments.

Only a **qualified person** can assess and declare that the proposed development meets the residential sustainability standards. The qualified person must be

- a Registered Architect
- a Chartered Professional Engineer
- an accredited Member of AIRAH

Declarations will be made in the NSW Planning Portal. A report demonstrating how the sustainability standards have been achieved must be uploaded to support the declaration. They will be bound by the code of conduct from their professional accreditation in undertaking this assessment and declaration.

4. I'm an Accredited NatHERS Assessor, am I a qualified person?

No. Accredited NatHERS assessors are accredited under the Nationwide House Energy Rating Scheme to conduct thermal performance simulations using NatHERS accredited software.

NatHERS simulations of thermal performance are accepted as inputs to the BASIX tool. These assessments must be performed by a NatHERS accredited assessor.

If using NatHERS to demonstrate compliance, development proponents should use the BASIX tool, not the Merit Assessment Pathway.

5. Which modelling software can I use with the Merit Assessment Pathway?

To demonstrate compliance with the **thermal performance and energy standards**, only energy modelling software that meets the international technical standard (ANSI/ASHRAE standard 140-2017) may be used. This standard is used to assess whether a software program or tool is an accurate and reliable energy modelling tool.

NatHERS accredited software and Passive House software cannot be used for the Merit Assessment Pathway as this software can already be used to generate a BASIX Certificate.

Modelling of sustainability parameters must be undertaken using the *Merit Assessment Pathway Modelling Rules* which are being developed and will be available before the proposed new SEPP commences.

If you are unable to find alternative software to simulate the consumption of potable water per occupant, you can use the BASIX software. We will make a standalone BASIX water calculator available to those who wish to use it for the Merit Assessment Pathway before the proposed new SEPP commences.

We are not specifying any particular software for simulating embodied emissions and water. However, standard inputs and assumptions are to be used in all calculations.

6. What do I need to demonstrate compliance under the Merit Assessment Pathway?

1. A **qualified person** assesses the design using approved modelling software to check compliance with the BASIX sustainability standards.
2. Each of the design elements that contribute to the sustainability standards should be nominated in the Planning Portal.
3. A checklist is created for the accredited certifier. The checklist ensures that the sustainability attributes are shown on the development application (DA) and construction certificate (CC) plans. And that they are built as promised for an occupation certificate to be issued.

For example, if rainwater harvesting is used in calculations to reduce the consumption of mains-supplied potable water, the appropriately sized rainwater tank must be shown on the DA and CC plans and listed as a sustainability commitment on the Merit Assessment Report. This also applies to complying development.

4. Once assessed as compliant, the qualified person will declare that the design meets the BASIX sustainability standards specified. They will then generate a Merit Assessment (BASIX-equivalent) report in the Planning Portal
5. The Merit Assessment report will be lodged with the development application (or complying development certificate). This can all be done electronically using the NSW Planning Portal.

7. What commitments do I need to show on the plans for Merit Assessment?

The design inclusions such as materials, solar panels, hot water system and glazing specifications will need to be shown on the DA (or CDC) and construction certificate plans.

8. Does anyone check the compliance of the design?

Yes. The Department of Planning, Industry and Environment will be auditing reports submitted through the Merit Assessment Pathway to check for compliance with the assumptions prescribed in the modelling rules.

BASIX sandbox tool

1. What is the BASIX sandbox tool?

The BASIX sandbox tool is a new beta version of the BASIX tool which is integrated into the Planning Portal. We are developing the new tool in stages and plan to launch it in late 2022 to replace the existing BASIX tool. The new tool includes the higher proposed energy and thermal performance standards.

RELEASE NUMBER	RELEASE DETAILS	TIMING
1	Single dwellings only	Dec 2021
2	Release 1 + multi-dwellings	Early 2022
3	Operational	TBC 2022

2. Can I try out the BASIX sandbox tool?

Applications to use the first stage of the BASIX sandbox tool have closed. We will invite applications to use Release 2 of the sandbox tool in February 2022.

3. How can I test the effect of the proposed higher standards on my design?

You will be able to test the effect of the higher standards at different stages of the sandbox tool's development:

- Stage 1 - test how proposed higher energy standards affect the design of single dwellings (i.e. houses and townhouses)
- Stage 2 - test how proposed higher energy standards affect the design of multi-dwellings (i.e. apartment buildings)
- the Materials Index and DIY method for calculating thermal performance will be available when the new BASIX tool is live in late 2022.

4. How can I use NatHERS accredited software to understand proposed thermal performance changes?

To estimate how the proposed higher thermal performance standards will affect your design, [NatHERS accredited assessors](#) can simulate the design using existing [NatHERS accredited software](#) to meet the relevant higher standards.

Note: NatHERS software only indicates what is required for the home. Key NatHERS inputs, such as the climate files, are being updated. To understand the true impact of higher BASIX thermal performance standards on an individual design, you will need to wait until new versions of NatHERS accredited software are released. We understand this will occur during 2022.

Alternatively, summary information about the effect of the higher thermal performance standards on a range of different building designs in different locations can be found on the [NatHERS](#) website.

Transition arrangements

1. If I already have a BASIX certificate will I need a new one?

The new BASIX standards are proposed to apply from late 2022. Any BASIX assessments completed after that time will need to meet the new BASIX standards. If you generate a BASIX certificate before that time, you do not need a new BASIX certificate, provided you lodge it with your development application or complying development certificate within the three-month certificate validity period. In line with the current rules, you can revise the lodged certificate during the assessment period or after receiving development consent.



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