



## Nationwide House Energy Rating Scheme

## Changes to the 2022 NatHERS Certificates

New NatHERS Certificates have been developed to help industry and consumers design and build new energy efficient homes and to support the economy's transition to net zero emissions by 2050.

## New Certificate Features

- NatHERS now includes a new Whole of Home performance rating that measures the energy use of the whole home including appliances, solar and batteries.
- The new Whole of Home rating can be used to show how the home meets or beats the energy efficiency requirements in the National Construction Code (NCC) 2022.
- Providing new information for the first time for households on what appliances have the biggest impact on their homes bills and carbon footprint.
- An expanded checklist for verifying that the home is designed and then built according to the information used to create the NatHERS ratings.
- New schedules for thermal bridging, appliances, onsite renewable energy and battery systems showing the home owner the details entered by the assessor to create the NatHERS ratings.

### Thermal Performance Star Rating

The new NatHERS Certificate will retain the thermal performance star rating to demonstrate compliance with the thermal performance requirement in NCC 2022.

### NCC Requirements

New information has been added about the Volume of the NCC the assessment has been done under and if a state or territory variation to the NCC applies.

The information on the NCC requirements has been updated to reflect the NCC 2022 energy efficiency provisions.

## Sample of a house (class 1) and apartment (Class 2 and 4 individual unit) Certificate

**Nationwide House Energy Rating Scheme®**  
**NatHERS® Certificate No. #000000000-00**

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**Property**  
 Address [00 Street, Suburb, State/Territory, Postcode]  
 Lot/DP [number]  
 NCC class\* [number]  
 Floor/all Floors [dwelling entrance floor] of [total no. of floors] floors  
 Type [new/renovation/existing]

**Plans**  
 Main plan [plan number, version & date]  
 Prepared by [name of preparer of plans]

**Construction and environment**  
 Assessed floor area (m<sup>2</sup>)\*  
 Conditioned\* 000.0  
 Unconditioned\* 0.0  
 Total 0.0  
 Garage 0.0  
 Exposure type [exposure]  
 NatHERS climate zone [number, town/suburb]

**Accredited assessor**  
 Name [assessor name]  
 Business name [business name]  
 Email [email address]  
 Phone [00 0000 0000]  
 Accreditation No. [0000 000 000]  
 Assessor Accrediting Organisation [name of Assessor Accrediting Organisation]  
 Declaration of interest [declaration]

**NCC Requirements**  
 BCA provisions [Volume 1/Volume 2]  
 State/Territory variation [Yes/No]  
**National Construction Code (NCC) requirements**  
 The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two. For apartments the requirements are detailed in clauses J3D3 and J3D15 of NCC Volume One.  
 NCC 2022 includes enhanced thermal performance requirements for houses and apartments. It also includes a new whole-of-home annual energy use budget which applies to the major equipment in the home.  
 The NCC, and associated ABCB Standards and support material, can be accessed at [www.abcb.gov.au](http://www.abcb.gov.au).  
 Note, variations and additions to the NCC energy efficiency requirements may apply in some states and territories.

**Thermal performance star rating**  
**7.0**  
 The more stars the more energy efficient

**Thermal performance (MJ/m<sup>2</sup>)**  
**107.9 MJ/m<sup>2</sup>**  
 Predicted annual energy load for heating and cooling based on standard occupancy assumptions.  
 For more information on your dwelling's rating see: [www.nathers.gov.au](http://www.nathers.gov.au)

**Thermal performance (MJ/m<sup>2</sup>)**  
 Limits taken from ABCB Standard 2022.1

	Heating	Cooling
Modelled	0000.0	0000.0
Load limits	0000.0	0000.0

**Features determining load limits**  
 Floor type (lowest conditioned area) [Type]  
 NCC climate zone 1 or 2 [Y/N/NA]  
 Outdoor living area [Y/N/NA]  
 Outdoor living area ceiling fan [Y/N/NA]

**Whole of Home performance rating**  
**60 out of 100**  
 Net zero home\*  
 Improving energy performance

**Verification**  
 To verify this certificate, scan the QR code or visit [Hstar-dev.azurewebsites.net/QR/Generate?p=MialcPjgJ.]  
 When using either link, ensure you are visiting hstar-dev.azurewebsites.net

\* Refer to glossary.  
 Generated on [date] using [software] for [address]

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For further information please visit: [www.nathers.gov.au](http://www.nathers.gov.au)

### Thermal Performance

New information about the heating and cooling load limits and features determining the load limits has been added to the Certificate. This information will allow users of the Certificate, such as certifiers, to quickly assess whether the NCC load limits have been met, while also allowing them to consider local variations. Additional explanatory information about the limits and settings is provided on page 2 of the Certificate.

### Whole of Home performance rating

This new Whole of Home rating scale has been developed to show how the home meets or beats the new NCC annual energy use budget. This will take into consideration the efficiency of the appliances used in a new home including:

- heating and cooling
- hot water systems
- lighting
- pool/spa equipment
- cooking and plug-in appliances
- on-site energy generation and storage

The Whole of Home Performance Rating will be a separate rating out of 100. The new assessment builds on the thermal performance assessment rating and considers energy used for heating and cooling, and appliances, minus energy generated from solar panels, building a useful energy snapshot of energy costs as well as greenhouse gas emissions.

While the Whole of Home rating scale ranges from 0 to 100 (where 100 is a net zero energy value home), ratings above 100 are possible. One way that a home may rate over 100 is where a home generates more energy than it uses.

Additional information provided on page 2 of the Certificate can be used to indicate if the home is 'net zero energy' or 'net zero carbon.'



Nationwide House Energy Rating Scheme

## Changes to the 2022 NatHERS Certificates

### About the ratings

New explanatory information is provided about each of the NatHERS ratings. This information is designed to ensure users of the Certificate understand what each rating is measuring.

### Heating and Cooling Load Limits

New explanatory information is provided about the heating and cooling load limits.

This information is designed to ensure users of the Certificate understand what the heating and cooling load limits and features determining the load limits (displayed on page 1 of the Certificate) are for the dwelling.

### Predicted onsite renewable energy generation

New information about the home's predicted onsite renewable energy impact has been added to the Certificate.

This section provides a Whole of Home rating for the home that excludes onsite renewable energy generation. It also includes information about how much energy the home is generating and exporting as well as information about the home's annual greenhouse gas emissions. This information can be used to see if the home is net zero energy and carbon.

## Sample of a house (class 1) and apartment (Class 2 and 4 individual unit) Certificate

[#00000000-00] NatHERS Certificate    0.0 Star rating and 00 Whole of Home rating as of [Date]

### About the ratings

**Thermal performance rating**  
NatHERS thermal software models the expected heating and cooling energy loads using information about the design, construction, climate and common patterns of household use. The thermal performance rating (shown as a star rating on this Certificate) does not take into account appliances, apart from the airflow impacts from ceiling fans.

**Whole of Home performance rating**  
NatHERS Whole of Home software uses the heating and cooling energy loads combined with the energy performance of the home's appliances (heating, cooling, hot water, lighting, pool/spa pump and onsite renewable energy generation and storage) and models the expected energy value\* of the whole home. The Whole of Home performance rating is shown as a score out of 100 on this Certificate.

### Heating & Cooling Load Limits

**Additional information**  
In some locations under the NCC NatHERS pathway, separate heating and cooling load limits may apply. Minimum required star ratings in northern parts of Australia may also be affected by the presence or absence of an outdoor living area and/or an outdoor living area ceiling fan. Refer to the *ABCB NatHERS heating and cooling load limits Standard 2022.1* for details or contact the relevant local building regulating authority, noting that State and Territory variations may also apply.

**Setting options:**  
Floor type:  
CSOG – Concrete Slab on Ground  
SF – Suspended Floor (or a mixture of CSOG and SF)  
NA – Not Applicable  
NCC climate Zone 1 or 2:  
Yes  
No  
NA – not applicable  
Outdoor living area:  
Yes  
No  
NA – not applicable  
Outdoor living area ceiling fan:  
Yes  
No  
NA – not applicable

### Predicted onsite renewable energy impact

Your Whole of Home energy use\* rating excluding onsite renewable energy generation is [00] out of 100.

**This home's annual greenhouse gas emissions: [0000]kg CO<sub>2</sub>e (with solar) [0000]kg CO<sub>2</sub>e (without solar)**

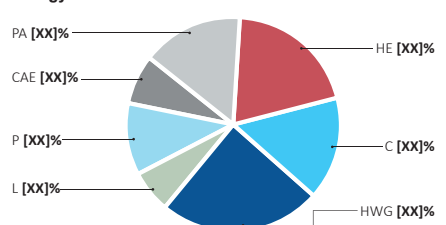
Predicted annual electricity use: [0000] kWh  
Exported to the grid: [00]%  
Used by the home: [00]%

\* Refer to glossary.  
Generated on [date] using [software] for [address]

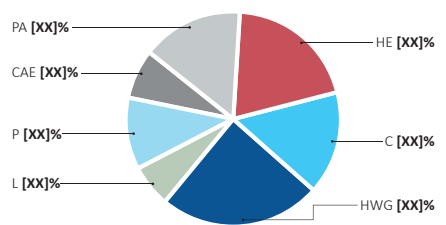
### Predicted Whole of Home annual impact by appliance

Shows the contribution each appliance has on the home's annual energy use, greenhouse gas emissions and cost without solar.

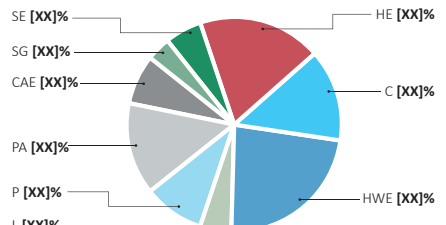
**Energy use:**



**Greenhouse gas emissions:**



**Cost:**



**Graph Key:**

Colour:	Code:	Name:	Fuel type:
Red	HE	Heating	electric
Light Red	HG	Heating	gas
Light Blue	HW	Heating	wood
Blue	C	Cooling	electric
Dark Blue	HWE	Hot water	electric
Light Blue	HWG	Hot water	gas
Light Green	L	Lights	electric
Light Blue	P	Pool/Spa equipment	electric
Light Blue	PA	Plug-in appliances	electric
Light Blue	CAE	Cooking appliances	electric
Light Blue	CAG	Cooking appliances	gas
Light Green	SG	Supply charge	gas
Dark Green	SE	Supply charge	electric

### Predicted Whole of Home annual impact by appliance

New information on the home's annual energy use, greenhouse gas emissions and cost by appliance and fuel type has been added to the Certificate. This information allows users to understand what impact each appliance is having on the home's energy use, cost and greenhouse gas emissions.

### Graph Key

A new graph key has been added to help a user with difficulty seeing colour access the information in the pie graphs.

For further information please visit: [www.nathers.gov.au](http://www.nathers.gov.au)



Nationwide House Energy Rating Scheme

## Changes to the 2022 NatHERS Certificates

### Certificate Check

An expanded checklist has been added to the Certificate. This checklist allows users to check that the home is designed and then built according to the information used to create the NatHERS ratings. Users can check this at different stages of the home's design and construction.

## Sample of parts of a house (class 1) and apartment (Class 2 and 4 individual unit) Certificate

[#00000000-00] NatHERS Certificate 0.0 Star rating and 00 Whole of Home rating as of [Date]

**Certificate check**  
The checklist covers important items impacting the dwelling's ratings. It is recommended that the accuracy of the whole certificate is checked.

Note: The boxes indicate when and who should check each item. It is not mandatory to complete this checklist.

	Approval stage		Construction stage		Occupancy/other
	Assessor checked	Consent authority/surveyor checked	Builder checked	Consent authority/surveyor checked	
<b>Genuine certificate check</b>					
Does this Certificate match the one available at the web address or QR code verification link on the front page?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the NatHERS certificate number on the NatHERS-stamped plans match the number on this Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Thermal bridging Schedule

A new thermal bridging schedule for steel framed elements has been added to the Certificate. This schedule includes detailed information about the thermal bridging inputs used to create the NatHERS ratings.

**Thermal bridging schedule for steel frame elements**

Building element	Steel section dimensions (height x width, mm)	Frame spacing (mm)	Steel thickness (BMT,mm)	Thermal break (yes/no)

### Schedules

New appliance, onsite renewable energy and battery schedules have been added to the Certificate.

These schedules include detailed information about the appliances, onsite renewable energy and battery systems that were used to create the Whole of Home performance rating.

[#00000000-00] NatHERS Certificate 0.0 Star rating and 00 Whole of Home rating as of [Date]

**Appliance schedule**  
(not applicable if a Whole of Home performance assessment is not conducted for this certificate)

Note: A flat assumption of 5W/m<sup>2</sup> is used for lighting, therefore lighting is not included in the appliance schedule.

Cooling system

Appliance/ system type	Location	Fuel type	Minimum efficiency/performance	Recommended capacity
Ducted refrigerative air conditioning (heat pump)	Kitchen/Dining/Living	Electric	00	00
Ducted refrigerative air conditioning (heat pump)	Bedroom 1	Electric	00	00
Ducted refrigerative air conditioning (heat pump)	Bedroom 2	Electric	00	00

For further information please visit: [www.nathers.gov.au](http://www.nathers.gov.au)



Nationwide House Energy Rating Scheme

## Changes to the 2022 NatHERS Certificates

### Explanatory Notes

The explanatory notes have been updated to include information about the new features on the Certificate.

### Glossary

The glossary has been updated to include information on the new features on the Certificate.

## Sample of a house (class 1) and apartment (Class 2 and 4 individual unit) Certificate

[#00000000-00] NatHERS Certificate
0.0 Star rating and 00 Whole of Home rating as of [Date]

### Explanatory notes

**About this report**  
 NatHERS ratings are a reliable guide for comparing different dwelling designs and to demonstrate that designs meet the energy efficiency requirements in the National Construction Code.  
 NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the heating and cooling energy loads and energy value\* of the whole home. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy generation and storage to estimate the home's energy value.  
 The actual energy loads, cost and greenhouse gas emissions of a home may vary from that predicted. This is because the assumptions will not always match the actual occupant usage patterns. For example, the number of occupants and how people use their appliances will vary.  
 Energy efficient homes use less energy, are warmer on cool days, cooler on hot days and cost less to run.

**Accredited assessors**  
 For quality assured NatHERS Certificates, always use an accredited or licenced assessor registered with an Assessor Accrediting Organisation (AAO). AAOs have strict quality assurance processes, and professional development requirements ensuring consistently high standards for assessments.  
 Non-accredited assessors (Raters) have no ongoing training requirements and are not quality assured.  
 Any queries about this report should be directed to the assessor. If the assessor is unable to address questions or concerns, contact the AAO specified on the front of this certificate.

**Disclaimer**  
 The NatHERS Certificate format is developed by the NatHERS Administrator. However, the content in the certificate is entered by the assessor. It is the assessor's responsibility to use NatHERS accredited software correctly and follow the NatHERS Technical Note to produce a NatHERS Certificate.  
 The predicted annual energy load, cost and greenhouse gas emissions in this NatHERS Certificate are an estimate based on an assessment of the dwelling's design by the assessor. It is not a prediction of actual energy use, cost or emissions. The information and ratings may be used to compare how other dwellings are likely to perform when used in a similar way.  
 Information presented in this report relies on a range of standard assumptions (both embedded in NatHERS accredited software and made by the assessor who prepared this report), including assumptions about occupancy, behaviour, appliance performance, indoor air temperature and local climate.  
 Not all assumptions made by the assessor using the NatHERS accredited software tool are presented in this report and further details or data files may be obtained from the assessor.

### Glossary

<b>Annual energy load</b>	the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions.
<b>AFRC</b>	Australian Fenestration Rating Council
<b>Assessed floor area</b>	the floor area modelled in the software for the purpose of the NatHERS assessment. Note, this may not be consistent with the floor area in the design documents.
<b>Ceiling penetrations</b>	features that require a penetration to the ceiling, including downlights, vents, exhaust fans, range hoods, chimneys and flues. Excludes fixtures attached to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans, pendant lights, and heating and cooling ducts.
<b>Conditioned</b>	a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some circumstances it will include garages.
<b>COP</b>	Coefficient of performance
<b>Custom windows</b>	windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
<b>Default windows</b>	windows that are representative of a specific type of window product and whose properties have been derived by statistical methods.
<b>EER</b>	Energy Efficiency Ratio, measure of how much cooling can be achieved by an air conditioner for a single kWh of electricity input
<b>Energy use</b>	This is your homes rating without solar or batteries.
<b>Energy value</b>	The net cost to society including, but not limited to, costs to the building user, the environment and energy networks (as defined in the ABCB Housing Provisions Standard).
<b>Entrance door</b>	these signify ventilation benefits in the modelling software and must not be modelled as a door when opening to a minimally ventilated corridor in a Class 2 building.
<b>Exposure</b>	see exposure categories below.
<b>Exposure category – exposed</b>	terrain with no obstructions e.g. flat grazing land, ocean-frontage, desert, exposed high-rise unit (usually above 10 floors).
<b>Exposure category – open</b>	terrain with few obstructions at a similar height e.g. grasslands with few well scattered obstructions below 10m, farmland with scattered sheds, lightly vegetated bush blocks, elevated units (e.g. above 3 floors).
<b>Exposure category – suburban</b>	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
<b>Exposure category – protected</b>	terrain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.
<b>Horizontal shading feature</b>	provides shading to the building in the horizontal plane, e.g. eaves, verandahs, pergolas, carports, or overhangs or balconies from upper levels.
<b>National Construction Code (NCC) Class</b>	the NCC groups buildings by their function and use, and assigns a classification code. NatHERS software models NCC Class 1, 2 or 4 buildings and attached Class 10a buildings. Definitions can be found at <a href="http://www.abcb.gov.au">www.abcb.gov.au</a> .
<b>Net zero home</b>	a home that achieves a net zero energy value*.
<b>Opening percentage</b>	the operability percentage or operable (moveable) area of doors or windows that is used in ventilation calculations.
<b>Provisional value</b>	an assumed value that does not represent an actual value. For example, if the wall colour is unspecified in the documentation, a provisional value of 'medium' must be modelled. Acceptable provisional values are outlined in the NatHERS Technical Note and can be found at <a href="http://www.nathers.gov.au">www.nathers.gov.au</a> .
<b>Recommended capacity</b>	this is the capacity or size of equipment that is recommended by NatHERS to achieve the desired comfort conditions in the zone or zones serviced. This is a recommendation and the final selection sizing should be confirmed by a suitably qualified person.
<b>Reflective wrap (also known as foil)</b>	can be applied to walls, roofs and ceilings. When combined with an appropriate air gap and emissivity value, it provides insulative properties.
<b>Roof window</b>	for NatHERS this is typically an operable window (i.e. can be opened), will have a plaster or similar light well if there is an attic space, and generally does not have a diffuser.
<b>Shading features</b>	includes neighbouring buildings, fences, and wing walls, but excludes eaves.
<b>Solar heat gain coefficient (SHGC)</b>	the fraction of incident solar radiation admitted through a window, both directly transmitted as well as absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.
<b>Skylight (also known as roof lights)</b>	for NatHERS this is typically a moulded unit with flexible reflective tubing (light well) and a diffuser at ceiling level.
<b>STCs</b>	Small-scale Technology Certificates, certificates created by the REC registry for renewable energy technologies that may be bought and sold as part of the Small-scale Renewable Energy Scheme operated by the Clean Energy Regulatory
<b>Thermal breaks</b>	are materials with an R-value greater than or equal to 0.2 that must separate the metal frame from the cladding. This includes, but is not limited to, materials such as timber battens greater than or equal to 20mm thick, continuous thermal breaks such as polystyrene insulation sheeting, plastic strips or furring channels.
<b>U-value</b>	the rate of heat transfer through a window. The lower the U-value, the better the insulating ability.
<b>Unconditioned</b>	a zone within a dwelling that is assumed to not require heating and cooling based on standard occupancy assumptions.
<b>Vertical shading features</b>	provides shading to the building in the vertical plane and can be parallel or perpendicular to the subject wall/window. Includes privacy screens, other walls in the building (wing walls), fences, other buildings, vegetation (protected or listed heritage trees).
<b>Window shading device</b>	a device fixed to windows that provides shading e.g. window awnings or screens but excludes horizontal* or vertical shading features* (eg eaves and balconies)

\* Refer to glossary.  
 Generated on [date] using [software] for [address]

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For further information please visit: [www.nathers.gov.au](http://www.nathers.gov.au)



Nationwide House Energy Rating Scheme

## Changes to the 2022 NatHERS Certificates

## Sample of a unit block (class 2) summary Certificate

### Class 2 Summary Certificate

This Certificate provides information about sole-occupancy units of a Class 2 building.

### Summary of all dwellings

The summary table has been updated to include the individual Whole of Home performance ratings for each unit in the unit block.

**Nationwide House Energy Rating Scheme®**  
**Class 2 Summary**  
**NatHERS® Certificate No. [#000000000-00]**  
 Generated on [date] using [software and version]  
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**Property**  
 Address [00 Street, Suburb, State/Territory, Postcode]  
 Lot/DP [number]  
 NatHERS Climate Zone [number]

**Accredited assessor**  
 Name [assessor name]  
 Business name [business name]  
 Email [email address]  
 Phone [00 0000 0000]  
 Accreditation No. [0000 000 0000]  
 Assessor Accrediting Organisation [name of Assessor Accrediting Organisation]

**Verification**  
 To verify this certificate, scan the QR code or visit [Hstar-dev.azurewebsites.net/QR/Generate?p=M1alcPjqJ.]  
 When using either link, ensure you are visiting hstar-dev.azurewebsites.net

**National Construction Code (NCC) requirements**  
 The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two. For apartments the requirements are detailed in clauses J3D3 and J3D15 of NCC Volume One.  
 NCC 2022 includes enhanced thermal performance requirements for houses and apartments. It also includes a new whole-of-home annual energy use budget which applies to the major equipment in the home.  
 The NCC, and associated ABCB Standards and support material, can be accessed at [www.abcb.gov.au](http://www.abcb.gov.au).  
 Note, variations and additions to the NCC energy efficiency requirements may apply in some states and territories.

**Thermal performance Star rating**  
 X.X  
 Average rating

**NCC heating and cooling maximum loads MJ/m<sup>2</sup>/p.a.**  
 Limits taken from ABCB Standard 2022.1

	Heating	Cooling
Modelled block average	0000.0	0000.0
Maximum allowable limit	0000.0	0000.0

**Whole of Home performance rating**  
 50 out of 100  
 Net zero home\*

**Summary of all dwellings**  
 The rating above is the lowest of all the dwellings in this summary

Certificate number and link	Unit Number	Heating load (MJ/m <sup>2</sup> /p.a.)	Cooling load (MJ/m <sup>2</sup> /p.a.)	Total load (MJ/m <sup>2</sup> /p.a.)	Star Rating	Whole of Home Rating
Modelled average		0000.0	0000.0	0000.0	0.0	n/a
<a href="#">0000000000</a>	A1	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A2	0000.0	0000.0	0000.0	0.0	000

\* Refer to glossary.  
 Generated on [date] using [software] for [address] Page 1 of 2

### Thermal performance star rating

The new NatHERS Class 2 Summary Certificate retains the average thermal performance star rating to demonstrate compliance with the heating and cooling loads for sole-occupancy units of a Class 2 building in NCC 2022.

### NCC heating and cooling maximum loads

New information about the Heating and Cooling Load Limits has been added to the Summary Certificate. This section shows the average heating and cooling loads limits for the unit block. This information will allow users of the Certificate, such as certifiers, to quickly assess whether the unit block load limits have been met, while also allowing them to consider local variations.

### Whole of Home Performance Rating

The new Whole of Home performance rating in the Class 2 summary Certificate represents the lowest individual rating for a unit in the unit block. The rating allows users of the Certificate, such as certifiers, to quickly assess whether the dwelling meets the energy usage requirement in NCC 2022. Note that there is no average rating requirement for Whole of Home.

For further information please visit: [www.nathers.gov.au](http://www.nathers.gov.au)



Nationwide House Energy Rating Scheme

## Changes to the 2022 NatHERS Certificates

## Sample of a unit block (class 2) summary Certificate

**Summary of all dwellings**  
The summary table continues onto the following pages to account for all the units in the unit block.

**Explanatory Notes**  
Updated explanatory notes include information about the new features on the Summary Certificate.

[#000000000-00] NatHERS Certificate    0.0 Star Rating and 00 Whole of Home Rating as of [Date]

**Summary of all dwellings (continued)**

Certificate number and link	Unit Number	Heating load (MJ/m <sup>2</sup> /p.a.)	Cooling load (MJ/m <sup>2</sup> /p.a.)	Total load (MJ/m <sup>2</sup> /p.a.)	Star Rating	Whole of Home Rating
<a href="#">0000000000</a>	A1	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A2	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A3	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A4	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A5	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A6	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A7	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A8	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A9	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A10	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A11	0000.0	0000.0	0000.0	0.0	000
<a href="#">0000000000</a>	A12	0000.0	0000.0	0000.0	0.0	000

**Explanatory notes**

**About the ratings**  
The thermal performance star rating in this Certificate is the average rating of all NCC Class 2 dwellings in an apartment block. The Whole of Home performance rating in this Certificate is the lowest rating for the apartment block. Individual unit ratings are listed in the 'Summary of all dwellings' section of this Certificate.

NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the energy loads and societal cost. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy production and storage to estimate the homes societal cost.

For more details about an individual dwelling's assessment, refer to the individual dwelling's NatHERS Certificate (accessible via link).

**Accredited Assessors**  
For high quality NatHERS Certificates, always use an accredited or licenced assessor registered with an Assessor Accrediting Organisation (AAO). AAOs have strict quality assurance processes, and professional development requirements ensuring consistently high standards for assessments.

Non-accredited assessors (Raters) have no ongoing training requirements and are not quality assured.

Licensed assessors in the Australian Capital Territory (ACT) can produce assessments for regulatory purposes only, using endorsed software, as listed on the ACT licensing register.

Any queries about this report should be directed to the assessor. If the assessor is unable to address questions or concerns, contact the AAO specified on the front of this certificate.

**Disclaimer**  
The NatHERS Certificate format is developed by the NatHERS Administrator. However, the content in certificates is entered by the assessor. It is the assessor's responsibility to use NatHERS accredited software correctly and follow the NatHERS Technical Note to produce a NatHERS Certificate.

The predicted annual energy use, cost and greenhouse gas emissions in this NatHERS Certificate are an estimate based on an assessment of the dwelling's design by the assessor. It is not a prediction of actual energy use, cost or emissions. The information and ratings may be used to compare how other dwellings are likely to perform when used in a similar way.

Information presented in this report relies on a range of standard assumptions (both embedded in NatHERS accredited software and made by the assessor who prepared this report), including assumptions about occupancy, behaviour, appliance performance, indoor air temperature and local climate.

Not all assumptions made by the assessor while using the NatHERS accredited software tool are presented in this report and further details or data files may be available from the assessor.

\* Refer to glossary.  
Generated on [date] using [software] for [address]

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For further information please visit: [www.nathers.gov.au](http://www.nathers.gov.au)



Nationwide House Energy Rating Scheme

## Changes to the 2022 NatHERS Certificates

### Non-accredited Report

A non-accredited report is generated by a non-accredited assessor (or rater) using NatHERS accredited software.

A non-accredited assessor (rater) is not required to have any formal qualifications, insurance, ongoing professional development or quality assurance checks on their ratings.

To differentiate between this report and an accredited certificate, it will be produced in black and white and have no NatHERS logos.


It will still have much of the same information to help users evaluate a homes thermal performance and energy efficiency.

### Thermal Performance Star Rating

The non-accredited report will not show the thermal performance star rating graphic. The star rating will be written as text.

## Sample of a non-accredited Report

**Residential energy rating report Non-accredited No. #000000000-00**  
 Generated on [date] using [software and version]  
 This report was created using NatHERS accredited software but the non-accredited assessor (rater) is not accredited under NatHERS and this report is not accredited as being compliant with NatHERS. Reliance on this report is accordingly at your own risk.

<p><b>Property</b>          Address [00 Street, Suburb, State/Territory, Postcode]          Lot/DP [number]          NCC class* [number]          Floor/all Floors Type [dwelling entrance floor] of [total no. of floors] floors [new/renovation/existing]</p> <p><b>Plans</b>          Main plan [plan number, version &amp; date]          Prepared by [name of preparer of plans]</p> <p><b>Construction and environment</b>          Assessed floor area (m<sup>2</sup>)*          Conditioned* 000.0          Unconditioned* 0.0          Total 0.0          Garage 0.0</p> <p><b>Rater**</b>          Name [assessor name]          Business name [business name]          Email [email address]          Phone [00 0000 0000]          Declaration of interest [declaration]</p> <p><b>NCC Requirements</b>          BCA provisions [Volume 1/Volume 2]          State/Territory variation [Yes/No]</p> <p><b>National Construction Code (NCC) requirements</b>          The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two. For apartments the requirements are detailed in clauses J3D3 and J3D15 of NCC Volume One.          NCC 2022 includes enhanced thermal performance requirements for houses and apartments. It also includes a new whole-of-home annual energy use budget which applies to the major equipment in the home.          The NCC, and associated ABCB Standards and support material, can be accessed at <a href="http://www.abcb.gov.au">www.abcb.gov.au</a>.          Note, variations and additions to the NCC energy efficiency requirements may apply in some states and territories.</p> <p>* Refer to glossary. ** Refer explanatory notes.          Generated on [date] using [software] for [address]</p>	<p><b>Thermal performance Star rating</b>  <b>X.X</b>          star rating  <b>[XX.X] MJ/m<sup>2</sup></b>          Predicted annual energy load for heating and cooling based on standard occupancy assumptions.</p> <p><b>Thermal performance (MJ/m<sup>2</sup>)</b>          Limits taken from ABCB Standard 2022.1</p> <table border="0"> <tr> <td></td> <td style="text-align: center;"><b>Heating</b></td> <td style="text-align: center;"><b>Cooling</b></td> </tr> <tr> <td>Modelled</td> <td style="text-align: center;">0000.0</td> <td style="text-align: center;">0000.0</td> </tr> <tr> <td>Load limits</td> <td style="text-align: center;">0000.0</td> <td style="text-align: center;">0000.0</td> </tr> </table> <p><b>Features determining load limits</b>          Floor type (lowest conditioned area) [Type]          NCC climate zone 1 or 2 [Y/N/NA]          Outdoor living area [Y/N/NA]          Outdoor living area ceiling fan [Y/N/NA]</p> <p><b>Whole of Home performance rating</b>  <b>50 out of 100</b></p> <p><b>Verification</b>          To verify this report, scan the QR code or visit [Hstar-dev.azurewebsites.net/QR/Generate?p=MiaIcPjQJ.]          When using either link, ensure you are visiting hstar-dev.azurewebsites.net</p>  <p style="text-align: right;">Page 1 of 10</p>		<b>Heating</b>	<b>Cooling</b>	Modelled	0000.0	0000.0	Load limits	0000.0	0000.0
	<b>Heating</b>	<b>Cooling</b>								
Modelled	0000.0	0000.0								
Load limits	0000.0	0000.0								

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### Thermal Performance

New information about the heating and cooling load limits and features determining the load limits has been added and will be displayed on the non-accredited report also. This information will allow users of the report, such as certifiers, to quickly assess whether the NCC load limits have been met, while also allowing them to consider local variations. Additional explanatory information about the limits and settings is provided on page 2 of the report.

### Whole of Home performance rating

For the non-accredited report and similar to the thermal performance star rating, the Whole of Home rating will not show the bar rating graphic. The rating will be written in text.

It will still provide information to show how the home meets or beats the new NCC annual energy use budget.

This rating along with the additional information provided on page 2 of the Certificate can be used to indicate if the home is 'net zero energy' or 'net zero carbon.'



Nationwide House Energy Rating Scheme

## Changes to the 2022 NatHERS Certificates

### About the ratings

New explanatory information is provided about each of the NatHERS ratings. This information is designed to ensure users of the report understand what each rating is measuring.

### Heating and Cooling Load Limits

New explanatory information is provided about the heating and cooling load limits.

This information is designed to ensure users of the report understand what the heating and cooling load limits and features determining the load limits (displayed on page 1 of the report) are for the dwelling.

### Predicted onsite renewable energy generation

New information about the home's predicted onsite renewable energy impact has been added to the non-accredited report also.

This section provides a Whole of Home rating for the home that excludes onsite renewable energy generation. It also includes information about how much energy the home is generating and exporting as well as information about the home's annual greenhouse gas emissions. This information can be used to see if the home is net zero energy and carbon.

## Sample of a non-accredited Report

[#00000000-00] Non-accredited report

### About the ratings

#### Thermal performance rating

NatHERS thermal software models the expected heating and cooling energy loads using information about the design, construction, climate and common patterns of household use. The thermal performance rating (shown as a written rating on this Report) does not take into account appliances, apart from the airflow impacts from ceiling fans.

#### Whole of Home performance rating

NatHERS Whole of Home software uses the heating and cooling energy loads combined with the energy performance of the home's appliances (heating, cooling, hot water, lighting, pool/spa pump and onsite renewable energy generation and storage) and models the expected energy value\* of the whole home. The Whole of Home performance rating is shown as a score out of 100 on this Report.

### Heating & Cooling Load Limits

#### Additional information

In some locations under the NCC NatHERS pathway, separate heating and cooling load limits may apply. Minimum required star ratings in northern parts of Australia may also be affected by the presence or absence of an outdoor living area and/or an outdoor living area ceiling fan. Refer to the *ABCN NatHERS heating and cooling load limits Standard 2022.1* for details or contact the relevant local building regulating authority, noting that State and Territory variations may also apply.

#### Setting options:

##### Floor type:

CSOG – Concrete Slab on Ground  
SF – Suspended Floor (or a mixture of CSOG and SF)  
NA – Not Applicable

##### NCC climate Zone 1 or 2:

Yes  
No  
NA – not applicable

##### Outdoor living area:

Yes  
No  
NA – not applicable

##### Outdoor living area ceiling fan:

Yes  
No  
NA – not applicable



### Predicted onsite renewable energy impact

Your Whole of Home energy use\* rating excluding onsite renewable energy generation is [00] out of 100.

**This home's annual greenhouse gas emissions: [0000]kg CO<sub>2</sub>e (with solar) [0000]kg CO<sub>2</sub>e (without solar)**

Predicted annual electricity use: [0000] kWh  
Exported to the grid: [00]%  
Used by the home: [00]%

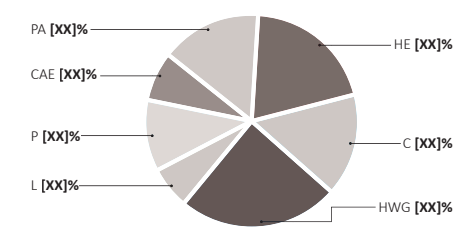
\* Refer to glossary. \*\* Refer explanatory notes.  
Generated on [date] using [software] for [address]

0.0 Star rating and 00 Whole of Home rating as of [Date]

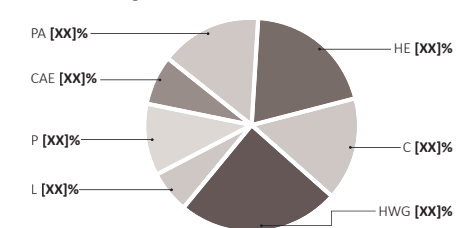
### Predicted Whole of Home annual impact by appliance

Shows the contribution each appliance has on the home's annual energy use, greenhouse gas emissions and cost without solar.

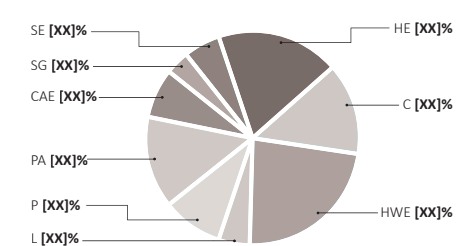
#### Energy use:



#### Greenhouse gas emissions:



#### Cost:



#### Graph Key:

Colour:	Code:	Name:	Fuel type:
HE	HE	Heating	electric
HG	HG	Heating	gas
HW	HW	Heating	wood
C	C	Cooling	electric
HWE	HWE	Hot water	electric
HWG	HWG	Hot water	gas
L	L	Lights	electric
P	P	Pool/Spa equipment	electric
PA	PA	Plug-in appliances	electric
CAE	CAE	Cooking appliances	electric
CAG	CAG	Cooking appliances	gas
SG	SG	Supply charge	gas
SE	SE	Supply charge	electric

### Predicted Whole of Home annual impact by appliance

New information on the home's annual energy use, greenhouse gas emissions and cost by appliance and fuel type will be included on the non-accredited report as well. This information allows users to understand what impact each appliance is having on the home's energy use, cost and greenhouse gas emissions.

### Graph Key

A new graph key has been added to help a user with difficulty seeing colour access the information in the pie graphs.

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