

# Nationwide House Energy Rating Scheme\* Certificate

Certificate number: 0004238150-02

Certificate Date: 16 Oct 2019

★ Star rating: 4.7



## Assessor details

Accreditation number: **20517**  
Name: **Mike Purtell**  
Organisation: **Deane Energy Ratings/Deane Drawing Board**  
Email: **purtells@tpg.com.au**  
Phone: **0247512143**  
Declaration of interest: **No potential conflicts of interest to declare**  
Software: **AccuRate Sustainability V2.3.3.13 SP4**  
AAO: **ABSA**

## Overview

### Dwelling details

Street: **145 Mccarrs Creek Road**  
Suburb: **Church Point**  
State: **NSW** Postcode: **2105**  
Type: **New** NCC Class: **1a**  
NatHERS climate zone: **56**  
Lot/DP number: **Lot 13 DP 28236** Exposure: **Suburban**

### Key construction and insulation materials

(see following pages for details)

Construction: **Fibre-cement wall**  
**Metal roof/Plasterboard**  
**Timber/Steel**  
Insulation: **R2.0 wall insulation**  
**R3.0 floor insulation**  
Glazing: **Al Thermally Broken B DG Argon Fill**  
**Low Solar**

### Net floor area (m<sup>2</sup>)

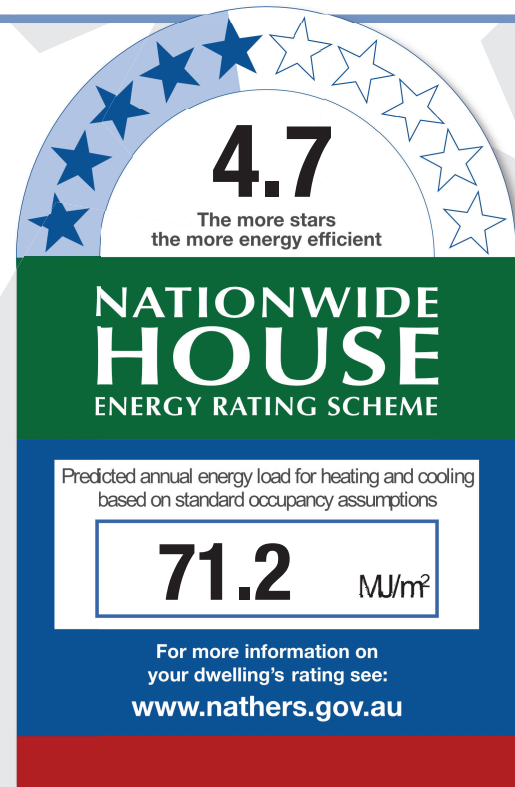
Conditioned: **182.2**  
Unconditioned: **8.9**  
Garage:   
TOTAL: **191.1**

### Annual thermal performance loads (MJ/m<sup>2</sup>)

Heating: **47.7**  
Cooling: **23.6**  
TOTAL: **71.2**

### Plan documents

Plan ref/date: **Ref Aug 2019**  
Prepared by: **PP**



### Ceiling penetrations

(see following pages for details)

Sealed: **0**  
Unsealed: **0**  
TOTAL:\*\* **0**

\*\*NOTE: This total is the maximum number of ceiling penetrations allowed to a ceiling (under a roof) for this certificate. **If this number is exceeded in construction then this certificate IS NOT VALID and a new certificate is required.** Loss of ceiling insulation for the penetrations listed has been taken into account with the rating.

Principle daylight type: **No Ceiling Penetration Downlights**

### Window selection - default windows only

Note on allowable window values: With a 10% tolerance to the nominated SHGC window values shown on page 2, the following ratings are achieved:

-10% SHGC **4.7**

+10% SHGC **4.7**

NB: This tolerance ONLY applies to SHGC, the U-value can always be lower but not higher than the values stated on page 2.

**If the rating listed above falls below 6.0 stars or the required rating, then the window with this tolerance can NOT be selected.**

Scan to access this certificate online and confirm this is valid.



# Nationwide House Energy Rating Scheme\* Certificate

Certificate number: 0004238150-02

Certificate Date:

16 Oct 2019

★ Star rating:

4.7



## Building features

### Window type and performance value

Window ID	Window type	U-value	SHGC
ATB-006-04 B	DEFAULTS: Al Thermally Broken B DG Argon Fill Low Solar Gain low-E -Clear	3.0	0.26

### Window schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Outdoor shade
L/K/Entry /WCZone : 1	ATB-006-04 B	D03 L/K 2.4x 3.3 ASD	2400	3300	W	Roller shutters
L/K/Entry /WCZone : 1	ATB-006-04 B	D04 L/K 2.4x 3.3 ASD	2400	3300	W	Roller shutters
L/K/Entry /WCZone : 1	ATB-006-04 B	D05 L/K 2.4x 3.3 ASD	2400	3300	W	Roller shutters
L/K/Entry /WCZone : 1	ATB-006-04 B	W17 800h x 16200	800	16200	E	Roller shutters
Bath Zone : 3	ATB-006-04 B	W02 Bath W 1.1h x 750w ASW	1100	750	W	Roller shutters
B2 Zone : 4	ATB-006-04 B	W10 B2 E 1.5h x 1.8 ASW	1500	1800	E	Roller shutters
B2 Zone : 4	ATB-006-04 B	W09 B2 S 1.1 x 1.2 ASW	1100	1200	S	Roller shutters
Study Zone : 5	ATB-006-04 B	W03 Study W 2.1x1.8 ASW	2100	1800	W	Roller shutters
Study Zone : 5	ATB-006-04 B	W17(in part)AFW 300h x 3000	800	3000	E	Roller shutters
Rumpus Zone : 6	ATB-006-04 B	W11 Rumpus E 2.1x .6 ADHW	2100	600	E	Roller shutters
Rumpus Zone : 6	ATB-006-04 B	W12 Rumpus E 2.1x .6 ADHW	2100	600	E	Roller shutters
Rumpus Zone : 6	ATB-006-04 B	W .. Rumpus S 2.1 x 2.1w ASD	2100	2100	S	Roller shutters
B3 Zone : 7	ATB-006-04 B	W13 B3 E 1.5x2.1	1500	2100	E	Roller shutters
B4 Zone : 8	ATB-006-04 B	W15 B4 N .6h x1.8w ASW	600	1800	N	Roller shutters
B4 Zone : 8	ATB-006-04 B	W14 B4 E 1.5h x 2.1 ASW	1500	2100	E	Roller shutters
B1 Zone : 9	ATB-006-04 B	W04 B! W 2.1 x 4.1 ASW	2100	4100	W	Roller shutters
B1 Zone : 9	ATB-006-04 B	W05 B1 S 2.1 x 3.85 ASW	2100	3850	S	Roller shutters
B1 Zone : 9	ATB-006-04 B	W17 (in part) 4.2 x 800h AFW	300	4200	E	Roller shutters
E/S Zone : 10	ATB-006-04 B	W08 E/S E 1.1 x .6 w	1100	600	E	Roller shutters
E/S Zone : 10	ATB-006-04 B	W07 E/S S 1.1h x2.2 ASW	1100	2200	S	Roller shutters
E/S Zone : 10	ATB-006-04 B	W06 E/S W 1.1 x 600 w ADHW	1100	600	W	Roller shutters
Laundry Zone : 11	ATB-006-04 B	W01 Laundry W 1.1h x750 w ASW	1100	750	W	Roller shutters

# Nationwide House Energy Rating Scheme\* Certificate

Certificate number: 0004238150-02

Certificate Date:

16 Oct 2019

★ Star rating:

4.7



## Building features continued

### Roof window and skylight type and performance value

ID	Window type	U-value	SHGC
None Present			

### Roof window and skylight schedule

Location	ID	Roof window/skylight no.	Area (m²)	Orientation	Outdoor shade	Indoor shade/diffuser
None Present						

### External wall type

ID	Wall type	Insulation	Wall wrap or foil
EW-007	Fibre-cement sheet/Plasterboard	Rockwool batt: R2.0	No

### External wall schedule

Location	ID	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
L/K/Entry /WCZone : 1	EW-007	12100	2550	W	Yes	1120
L/K/Entry /WCZone : 1	EW-007	800	2620	S	Yes	9800
L/K/Entry /WCZone : 1	EW-007	600	2620	N	Yes	4700
L/K/Entry /WCZone : 1	EW-007	2700	2900	N	Yes	300
L/K/Entry /WCZone : 1	EW-007	900	2900	E	Yes	300
L/K/Entry /WCZone : 1	EW-007	2400	4250	N	Yes	600
L/K/Entry /WCZone : 1	EW-007	16200	800	E	Yes	600
Bath Zone : 3	EW-007	2400	3000	W	Yes	1700
B2 Zone : 4	EW-007	3000	2400	E	Yes	720
B2 Zone : 4	EW-007	2500	2620	S	Yes	600
B2 Zone : 4	EW-007	1200	2500	N	No	
Study Zone : 5	EW-007	3000	2700	W	Yes	1120
Study Zone : 5	EW-007	3000	800	E	Yes	1200
Rumpus Zone : 6	EW-007	3500	2400	E	Yes	720
Rumpus Zone : 6	EW-007	4000	2900	S	Yes	300
B3 Zone : 7	EW-007	3500	2400	E	Yes	720
B4 Zone : 8	EW-007	4000	2900	N	Yes	600
B4 Zone : 8	EW-007	3500	2400	E	Yes	720
B1 Zone : 9	EW-007	4200	2700	W	Yes	1120
B1 Zone : 9	EW-007	4000	3370	S	Yes	1200
B1 Zone : 9	EW-007	4200	800	E	Yes	700
B1 Zone : 9	EW-007	2000	2850	E	Yes	720
E/S Zone : 10	EW-007	2800	2850	E	Yes	720
E/S Zone : 10	EW-007	2200	3450	S	Yes	600
E/S Zone : 10	EW-007	600	4050	W	Yes	5000
Laundry Zone : 11	EW-007	1600	3000	W	Yes	1700

# Nationwide House Energy Rating Scheme\* Certificate

Certificate number: 0004238150-02

Certificate Date:

16 Oct 2019

★ Star rating:

4.7



## Building features continued

Laundry Zone : 11 EW-007 2600 3000 N Yes 600

## Internal wall type

ID	Wall type	Area (m <sup>2</sup> )	Insulation	Wall wrap or foil
IW-001	Plasterboard	86.4		No
IW-004	Plasterboard	25.5	Glass fibre batt: R2.0	No

## Floors

Location	Construction	Area (m <sup>2</sup> )	Sub floor ventilation	Added insulation	Covering
L/K/Entry /WCZone : 1/Outdoor Air	ceramic tiles FC /R3 framed floor/Colorbond	7.8		R3.0	Ceramic tile
L/K/Entry /WCZone : 1/Outdoor Air	Timber Floor/timber frame +R3 /Colorbond Ceiling : 13	76.8		R3.0	
Bath Zone : 3/Outdoor Air	ceramic tiles FC /R3 framed floor/Colorbond	5.4		R3.0	Ceramic tile
B2 Zone : 4/Outdoor Air	Timber Floor/timber frame +R3 /Colorbond Ceiling : 13	14.4		R3.0	
Study Zone : 5/Outdoor Air	Timber Floor/timber frame +R3 /Colorbond Ceiling : 13	12.0		R3.0	
Rumpus Zone : 6/Outdoor Air	Timber Floor/timber frame +R3 /Colorbond Ceiling : 13	16.0		R3.0	
B3 Zone : 7/Outdoor Air	ceramic tiles FC /R3 framed floor/Colorbond	14.0		R3.0	Ceramic tile
B4 Zone : 8/Outdoor Air	Timber Floor/timber frame +R3 /Colorbond Ceiling : 13	14.0		R3.0	
B1 Zone : 9/Outdoor Air	Timber Floor/timber frame +R3 /Colorbond Ceiling : 13	21.1		R3.0	
E/S Zone : 10/Outdoor Air	ceramic tiles FC /R3 framed floor/Colorbond	6.0		R3.0	Ceramic tile
Laundry Zone : 11/Outdoor Air	ceramic tiles FC /R3 framed floor/Colorbond	3.5		R3.0	Ceramic tile

## Ceiling type

Location	Construction	Added insulation	Roof space above
None Present			

## Ceiling penetrations

Location	Number	Type	Diameter (mm)	Sealed/unsealed
None Present				

## Ceiling fans

## Nationwide House Energy Rating Scheme\* Certificate

Certificate number: **0004238150-02**

Certificate Date:

**16 Oct 2019**

★ Star rating:

**4.7**



### Building features continued

Location	Number	Diameter (mm)
None Present		

### Roof type

Construction	Added insulation	Roof colour
Metal deck/Anticon R1.5/R3.5/plasterbd	R5.0	Medium

# Nationwide House Energy Rating Scheme\* Certificate



Certificate number: .....

Certificate Date: ....

★ Star rating: ..

## Additional information

## Explanatory notes

### About this report

Residential energy ratings address the quality of the building fabric i.e. walls, windows, floors and roof/ceilings. Ratings do not cover the energy or water efficiency of appliances including heating and cooling, hot water, dishwashers, ovens, fridges, TVs etc. or solar panel or water tank requirements. The efficiency or specification of these items is generally covered by other regulations, standards or guidelines.

### General Information

A NatHERS House Energy Rating is a comprehensive, dynamic computer modelling evaluation of the floorplans, elevations and specifications to predict an energy load of a home. Not all of us use our homes in the same way, so ratings are generated using standard assumptions. This means homes can be compared across the country.

The actual energy consumption of your home may vary significantly from the predicted energy load figures in the report depending on issues such as the size of your household and your personal preferences, e.g. in terms of heating or cooling.

While the figures are an indicative guide to energy use, they can be used as a reliable guide for comparative purposes between different house designs and for demonstrating that the design meets the required regulatory compliance.

Homes that are energy efficient use less energy, are warmer in winter, cooler in summer and cost less to run. The higher the star rating the more energy efficient.

This NatHERS House Energy Rating report was carefully prepared by your assessor on the basis of comprehensive modelling using standard procedures to rate your home using the underlying engine developed by the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO).

All information relating to energy loads presented in this report is based on a range of standard assumptions in order to allow for comparisons with reports prepared for other homes and to demonstrate minimum regulatory compliance.

The standard assumptions include figures for occupancy, indoor air temperature and are based on a unique climate file for your region.

### Accredited Assessors

To ensure you get a high-quality, professional NatHERS House Energy Rating report, you should always use an accredited assessor, accredited assessors are members of a professional body called an Assessor Accrediting Organisation (AAO).

AAOs have specific quality assurance processes in place and continuing professional development requirements to maintain a high and consistent standard of assessments across the country. Non-accredited assessors do not have this level of quality assurance or any on-going training requirements.

If you have any questions or concerns about this report, please direct them to your assessor in the first instance.

If your assessor is unable to address your questions or concerns, please contact their AAO listed under 'assessor details'. You can also find a range of information about accredited assessors on the AAO websites.

### Disclaimer

The energy values quoted are for comparison purposes only; they are not a prediction of actual energy use. This rating only applies to the floor plan, construction details, orientation and climate as submitted and included in the attached drawing set that bears a stamp with the same number as this certificate. Changes to any of these details could affect the rating.

### Contact

For more information on the Nationwide House Energy Rating Scheme (NatHERS), visit [www.nathers.gov.au](http://www.nathers.gov.au)

For more information on energy efficient design and insulation visit [www.yourhome.gov.au](http://www.yourhome.gov.au)

\* Nationwide House Energy Rating Scheme (NatHERS) is an initiative of the Australian, state and territory governments.  
For more details see [www.nathers.gov.au](http://www.nathers.gov.au)