

FirstRate Report



YOUR HOUSE ENERGY RATING IS: ★ ★
in Climate: 24

2 STARS

SCORE: -45 POINTS

Name:

Ref No: 4626

House Title: 3/24 CHAPMAN

Date: 21-11-2019

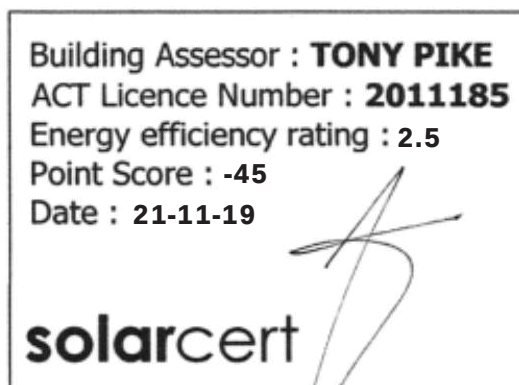
Address: 56 BERTEL CRES

CHAPMAN

2611

Reference: C:\USERS\TONY\...\EER 2019\CP 024 003 H 00 00 000

Approx Area 177.5



IMPROVING YOUR RATING

The table below shows the current rating of your house and its potential for improvement.

Star Rating	POOR			AVERAGE				GOOD				V. GOOD
	0 Star	★		★★		★★★		★★★★		★★★★★		★★★★★★
Point Score	-71	-70	-46	-45	-26	-25	-11	-10	4	5	16	17
Current	-45											
Potential	3											

Incorporating these design options will add the additional points required to achieve the potential rating shown in the table Each point represents about a 1% change in energy efficiency. This list is only a guide to the range of options that could be used.

Design options		Additional points
Change added wall insulation	R 2	34
Change added floor insulation	R 2.5	14

FirstRate Mode
Climate: 24

RATING SUMMARY for: 3/24 CHAPMAN, 56 BERTEL CRES, CHAPMAN

Assessor's Name: TONY PIKE (Lic 2011185)

Net Conditioned Floor Area: 149.8 m²

Feature			Points		
			Winter	Summer	Total
CEILING			7	1	7
Surface Area:	0	Insulation: 8			
WALL			-30	0	-30
Surface Area:	-6	Insulation: -23 Mass: -1			
FLOOR			-8	0	-8
Surface Area:	0	Insulation: -8 Mass: 0			
AIR LEAKAGE (Percentage of score shown for each element)			-4	-1	-5
Fire Place	0 %	Vented Skylights	0 %		
Fixed Vents	0 %	Windows	16 %		
Exhaust Fans	3 %	Doors	58 %		
Down Lights	0 %	Gaps (around frames)	24 %		
DESIGN FEATURES			0	0	0
Cross Ventilation	0				
ROOF GLAZING			0	0	0
Winter Gain	0	Winter Loss	0		

WINDOWS							-4	-11	-15
Window Direction	Area		Point Scores						
	m2	%NCFA	Winter* Loss	Winter Gain	Summer Gain	Total			
NNE	7	5%	-6	9	-2	2			
ESE	12	8%	-10	7	-3	-6			
SSW	9	6%	-7	3	-3	-7			
WNW	8	5%	-6	6	-4	-4			
Total	36	24%	-29	25	-11	-15			

* Air movement over glazing can significantly increase winter heat losses. SEAV recommends heating/cooling duct outlets be positioned to avoid air movement across glass or use deflectors to direct air away from glass.

The contribution of heavyweight materials to the window score is -1 points

			Winter	Summer	Total
RATING	★ ★		-39	-11	-45*

* includes 6 points from Area Adjustment

Detailed House Data

House Details

ClientName	
HouseTitle	3/24 CHAPMAN
StreetAddress	56 BERTEL CRES
Suburb	CHAPMAN
Postcode	2611
AssessorName	TONY PIKE (Lic 2011185)
FileCreated	21-11-2019

Climate Details

State	
Town	Canberra
Postcode	2600
Zone	24

Floor Details

ID	Construction	Sub Floor	Upper	Shared	Foil	Carpet	Ins RValue	Area
1	Timber	Enclosed	No	No	No	Carp	R0.0	39.0m ²
2	Timber	Enclosed	No	No	No	No	R0.0	124.6m ²

Wall Details

ID	Construction	Shared	Ins RValue	Length	Height
1	Brick Veneer	No	R0.0	53.4m	2.4m
2	Framed: FC Sheet Clad	No	R0.0	3.8m	2.4m

Ceiling Details

ID	Construction	Shared	Foil	Ins RValue	Area
1	Attic - Standard	No	No	R5.0	163.5m ²

Window Details

ID	Dir	Height	Width	Utility	Glass	Frame	Curtain	Blind	Fixed & Adj Eave	Fixed Eave	Head to Eave
1	WNW	2.1m	1.6m	No	DG	TIMB	HB	No	0.6m	0.6m	0.2m
2	WNW	2.1m	1.6m	No	DG	TIMB	HB	No	0.6m	0.6m	0.2m
3	SSW	2.1m	2.9m	No	DG	TIMB	HB	No	1.9m	1.9m	0.2m
4	WNW	1.1m	0.6m	No	DG	TIMB	HB	No	0.0m	0.0m	0.0m
5	WNW	1.1m	0.6m	No	DG	TIMB	HB	No	0.0m	0.0m	0.0m
6	NNE	1.1m	1.8m	No	DG	TIMB	HB	No	0.6m	0.6m	0.2m
7	NNE	1.1m	1.8m	No	DG	TIMB	HB	No	0.0m	0.0m	0.0m
8	ESE	1.0m	1.5m	No	DG	TIMB	NC	No	0.6m	0.6m	0.0m
9	ESE	1.1m	2.1m	No	DG	TIMB	NC	No	0.6m	0.6m	0.1m
10	ESE	2.1m	1.6m	No	DG	TIMB	NC	No	0.6m	0.6m	0.2m
11	ESE	0.9m	0.6m	Yes	DG	TIMB	NC	No	0.6m	0.6m	0.1m
12	ESE	1.0m	0.6m	Yes	SG	ALSTD	NC	No	0.6m	0.6m	0.0m
13	ESE	1.0m	1.2m	Yes	SG	ALSTD	NC	No	0.6m	0.6m	0.0m
14	ESE	1.2m	1.8m	No	SG	ALSTD	HB	No	0.6m	0.6m	0.0m
15	SSW	1.0m	0.6m	No	SG	ALSTD	NC	No	0.0m	0.0m	0.0m
16	SSW	2.1m	1.0m	No	DG	TIMB	HB	No	0.0m	0.0m	0.0m
17	NNE	2.1m	1.6m	No	DG	TIMB	HB	No	0.6m	0.6m	0.2m

Window Shading Details

ID	Dir	Height	Width	Obst Height	Obst Dist	Obst Width	Obst Offset	LShape Left Fin	LShape Left Off	LShape Right Fin	LShape Right Off
1	WNW	2.1m	1.6m	0.0m	0.0m	0.0m	0.0m	2.2m	0.3m	0.0m	0.0m
2	WNW	2.1m	1.6m	0.0m	0.0m	0.0m	0.0m	0.0m	0.0m	3.7m	0.3m
17	NNE	2.1m	1.6m	0.0m	0.0m	0.0m	0.0m	0.0m	0.0m	7.2m	0.2m

Zoning Details

Is there Cross Flow Ventilation ? Average

Air Leakage Details

Location	Suburban
Is there More than One Storey ?	No
Is the Entry open to the Living Area ?	Yes
Is the Entry Door Weather Stripped ?	No
Area of Heavyweight Mass	0m ²
Area of Lightweight Mass	0m ²

	<u>Sealed</u>	<u>UnSealed</u>
Chimneys	0	0
Vents	0	0
Fans	1	0
Downlights	0	0
Skylights	0	0
Utility Doors	0	3
External Doors	2	3

Unflued Gas Heaters	0
Percentage of Windows Sealed	100%
Windows - Average Gap	Medium
External Doors - Average Gap	Medium
Gaps & Cracks Sealed	No