

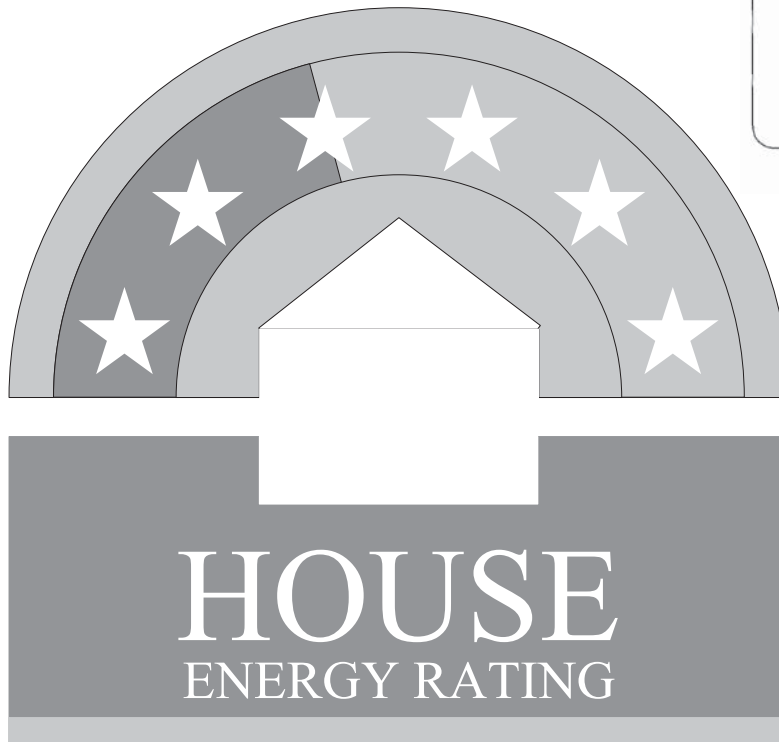
FirstRate Report

ACT HOUSE ENERGY
RATING SCHEME

TONY PIKE

01 -0034

FirstRate Assessor



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

2.5 STARS

SCORE: -29 POINTS

Name:

Ref No: 4618

House Title: 20/34 FISHER

Date: 23-01-2019

Address: 30 KAMBALDA CRES
FISHER

2611

Reference: C:\...\FI 034 020 H 00 00 000

Approx Area 172 sqm

Tony Pike - Lic No 2011185

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	-29	<div></div>										
Potential	0	<div></div>										

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 floor insulation	R 2.5	12
Change curtain to	Heavy Drapes & Pelmets	18

ORIENTATION

Orientation is one of the key factors which influences energy efficiency. This dwelling will achieve different scores and star ratings for different orientations.

Current Rating	-11	★★★★☆
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Largest windows in the dwelling;

Direction : SSW

Area : 19 m²

The table below shows the total score for the dwelling when these windows face the direction indicated.

Note that obstructions overshadowing windows have been removed from all windows in these ratings to allow better comparisons to be made between orientations.

ORIENTATION	POINT SCORE	STAR RATING
1. South	-26	★★☆
2. South West	-32	★★☆
3. West	-36	★★
4. North West	-35	★★
5. North	-27	★★☆
6. North East	-24	★★★
7. East	-24	★★★
8. South East	-26	★★☆

FirstRate Mode
Climate: 24

RATING SUMMARY for: 20/34 FISHER, 30 KAMBALDA CRES, FISHER

Assessor's Name: Tony Pike

Net Conditioned Floor Area: 147.3 m²

Feature			Points		
			Winter	Summer	Total
CEILING			8	1	9
Surface Area:	-1	Insulation: 9			
WALL			4	0	4
Surface Area:	0	Insulation: 4 Mass: 0			
FLOOR			-3	0	-3
Surface Area:	0	Insulation: -4 Mass: 0			
AIR LEAKAGE (Percentage of score shown for each element)			1	0	1
Fire Place	0 %	Vented Skylights	0 %		
Fixed Vents	0 %	Windows	22 %		
Exhaust Fans	4 %	Doors	43 %		
Down Lights	0 %	Gaps (around frames)	32 %		
DESIGN FEATURES			0	0	0
Cross Ventilation	0				
ROOF GLAZING			0	0	0
Winter Gain	0	Winter Loss	0		

WINDOWS							-13	-14	-27
Window Direction	Area		Point Scores						
	m2	%NCFA	Winter* Loss	Winter Gain	Summer Gain	Total			
NNE	14	10%	-16	12	-3	0			
ESE	9	6%	-12	8	-4	0			
SSW	19	13%	-19	8	-7	0			
WNW	6	4%	-11	1	-1	0			
Total	49	33%	-58	28	-15	-27			

* 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 -2 points

			Winter	Summer	Total
RATING	★ ★ ★ ☆	SCORE	-3	-15	-11*

* includes 6 points from Area Adjustment

Detailed House Data

House Details

ClientName	
HouseTitle	20/34 FISHER
StreetAddress	30 KAMBALDA CRES
Suburb	FISHER
Postcode	2611
AssessorName	Tony Pike
FileCreated	23-01-2019

Climate Details

State	
Town	Canberra
Postcode	2600
Zone	24

Floor Details

<u>ID</u>	<u>Construction</u>	<u>Sub Floor</u>	<u>Upper</u>	<u>Shared</u>	<u>Foil</u>	<u>Carpet</u>	<u>Ins RValue</u>	<u>Area</u>
1	Timber	Enclosed	No	No	No	No	R0.0	42.0m ²
2	Timber	Enclosed	No	No	No	Tiles	R0.0	11.0m ²
3	Timber	Enclosed	No	No	No	Carp	R0.0	108.0m ²

Wall Details

<u>ID</u>	<u>Construction</u>	<u>Shared</u>	<u>Ins RValue</u>	<u>Length</u>	<u>Height</u>
1	Brick Veneer	No	R1.5	36.2m	2.4m
2	Brick Veneer	No	R1.5	18.5m	2.7m

Ceiling Details

<u>ID</u>	<u>Construction</u>	<u>Shared</u>	<u>Foil</u>	<u>Ins RValue</u>	<u>Area</u>
1	Attic - Standard	No	No	R6.0	121.0m ²
2	Flat - Framed	No	No	R6.0	51.0m ²

Window Details

<u>ID</u>	<u>Dir</u>	<u>Height</u>	<u>Width</u>	<u>Utility</u>	<u>Glass</u>	<u>Frame</u>	<u>Curtain</u>	<u>Blind</u>	<u>Fixed & Adj Eave</u>	<u>Fixed Eave</u>	<u>Head to Eave</u>
1	ESE	2.1m	2.7m	No	SG	ALSTD	VB	No	0.6m	0.6m	0.1m
2	ESE	2.0m	1.8m	No	SG	TIMB	HP	No	0.0m	0.0m	0.0m
3	SSW	2.0m	3.6m	No	SG	TIMB	HP	No	0.6m	0.6m	0.0m
4	SSW	2.0m	0.6m	No	SG	TIMB	NC	No	8.0m	8.0m	0.2m
5	SSW	2.0m	1.8m	No	SG	TIMB	CW	No	0.6m	0.6m	0.0m
6	SSW	2.0m	1.8m	No	SG	TIMB	CW	No	0.6m	0.6m	0.0m
7	SSW	2.0m	1.8m	No	SG	TIMB	HD	No	0.6m	0.6m	0.0m
8	WNW	1.0m	0.7m	No	SG	TIMB	CW	No	0.0m	0.0m	0.0m
9	NNE	2.0m	1.8m	No	SG	TIMB	HD	No	4.6m	4.6m	0.0m
10	NNE	1.0m	0.7m	No	SG	TIMB	CW	No	4.6m	4.6m	0.0m
11	NNE	1.0m	1.2m	Yes	SG	TIMB	CW	No	4.6m	4.6m	0.0m
12	NNE	1.0m	0.6m	Yes	SG	TIMB	NC	No	4.6m	4.6m	0.0m
13	WNW	2.1m	2.7m	No	SG	ALSTD	VB	No	8.5m	8.5m	0.0m
14	NNE	1.3m	3.2m	No	DG	ALSTD	NC	No	0.5m	0.5m	0.2m
15	NNE	1.3m	3.2m	No	DG	ALSTD	NC	No	0.5m	0.5m	0.2m

Window Shading Details

<u>ID</u>	<u>Dir</u>	<u>Height</u>	<u>Width</u>	<u>Obst Height</u>	<u>Obst Dist</u>	<u>Obst Width</u>	<u>Obst Offset</u>	<u>LShape Left Fin</u>	<u>LShape Left Off</u>	<u>LShape Right Fin</u>	<u>LShape Right Off</u>
12	NNE	1.0m	0.6m	0.0m	0.0m	0.0m	0.0m	0.0m	0.0m	4.5m	2.0m
13	WNW	2.1m	2.7m	0.0m	0.0m	0.0m	0.0m	0.0m	0.0m	4.5m	0.2m

Zoning Details

Is there Cross Flow Ventilation ?	Average
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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 ?	Yes
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	4
External Doors	2	2

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