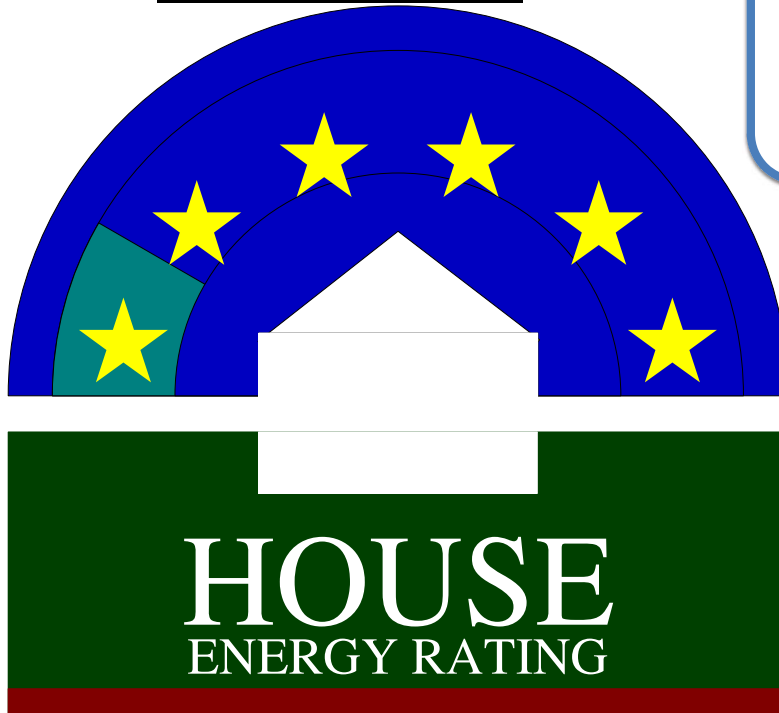


## FirstRate Report



### ACT HOUSE ENERGY RATING SCHEME

COLA Licence Number 201286

*mfish*

MACUSHLA SMITH  
BUILDING ASSESSOR CLASS A  
ENERGY EFFICIENCY

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

**1 STARS**

**SCORE: -68 POINTS**

**Name:** Walsh

**Ref No:** 1453256

**House Title:** CS 504 036 0 00 00 000.1rt

**Date:** 14-09-2016

**Address:** 13 Deamer Crescent  
Chisholm

2905

**Reference:** C:\...\CS 504 036 0 00 00 000

**Total Floor Area =** 118.52m2 approx

This rating only applies to the floor plan, construction details, orientation and climate as submitted and included in the attached Rating Summary. Changes to any of these could affect the rating.

# 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	-68	<div></div>										
Potential	4	<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 ceiling insulation	R 4	9
Change added wall insulation	R 2	40
Change curtain to	Heavy Drapes & Pelmets	22

## IMPORTANT INFORMATION

- All measurements and areas were calculated using digital measuring tools and the approved plans supplied by the Environment & Sustainable Development Directorate. The measurements and areas included in these reports are carefully compiled but should only be used as a guide.
- Appliances installed and their energy consumption or effectiveness does not form part of this Rating. This Rating is a computer simulation of the thermal performance of the building fabric/materials and siting only.
- The improvement options included in this rating already take into account items that exist, for example – where recommendation for heavy drapes to be fitted is made, the windows currently covered by heavy drapes have already been included in the rating.

## ORIENTATION

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

<b>Current Rating</b>	<b>-68</b>	<b>★</b>
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Largest windows in the dwelling;

**Direction : South**

**Area : 17 m<sup>2</sup>**

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	-68	★
2. South West	-68	★
3. West	-67	★
4. North West	-62	★
5. North	-57	★
6. North East	-57	★
7. East	-62	★
8. South East	-67	★

<b>FirstRate Mode</b>
<b>Climate: 24</b>

**RATING SUMMARY for: CS 504 036 0 00 00 000.1rt, 13 Deamer Crescent, Chisholm**

**Assessor's Name: Macushla Smith**

**Net Conditioned Floor Area: 97.4 m<sup>2</sup>**

Net Conditioned Floor Area: 97.4 m²			Points			
Feature			Winter	Summer	Total	
CEILING			-3	-1	-3	
Surface Area:	0	Insulation:	-3			
WALL			-37	0	-38	
Surface Area:	-13	Insulation:	-24	Mass:	-1	
FLOOR			10	0	11	
Surface Area:	0	Insulation:	-3	Mass:	14	
AIR LEAKAGE (Percentage of score shown for each element)			0	0	0	
Fire Place	0 %	Vented Skylights	0 %			
Fixed Vents	0 %	Windows	19 %			
Exhaust Fans	26 %	Doors	26 %			
Down Lights	0 %	Gaps (around frames)	28 %			
DESIGN FEATURES			0	0	0	
Cross Ventilation	0					
ROOF GLAZING			0	0	0	
Winter Gain	0	Winter Loss	0			
WINDOWS			-47	-7	-53	
Window Direction	Area		Point Scores			
	m2	%NCFA	Winter* Loss	Winter Gain	Summer Gain	Total
N	10	11%	-28	4	-1	-25
S	17	17%	-32	10	-5	-28
Total	27	28%	-60	14	-7	-53

\* 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
<b>RATING</b>	<b>★</b>	<b>SCORE</b>	<b>-76</b>	<b>-7</b>	<b>-68*</b>

\* includes 15 points from Area Adjustment

## Detailed House Data

### House Details

ClientName Walsh  
HouseTitle CS 504 036 0 00 00 000.1rt  
StreetAddress 13 Deamer Crescent  
Suburb Chisholm  
Postcode 2905  
AssessorName Macushla Smith  
FileCreated 14-09-2016  
Comments Total Floor Area = 118.52m2 approx

### Climate Details

State  
Town Canberra  
Postcode 2600  
Zone 24

### Floor Details

ID	Construction	Sub Floor	Upper	Shared	Foil	Carpet	Ins RValue	Area
1	Concrete Slab on ground	No Subfloor	No	No	No	Carp	R0.0	75.0m <sup>2</sup>
2	Concrete Slab on ground	No Subfloor	No	No	No	Tiles	R0.0	8.0m <sup>2</sup>
3	Concrete Slab on ground	No Subfloor	No	No	No	Vinyl	R0.0	25.0m <sup>2</sup>

### Wall Details

ID	Construction	Shared	Ins RValue	Length	Height
1	Brick Veneer	No	R0.0	41.0m	2.4m
2	Weatherboard	No	R0.0	2.8m	2.4m

### Ceiling Details

ID	Construction	Shared	Foil	Ins RValue	Area
1	Attic - Standard	No	No	R2.0	108.0m <sup>2</sup>

### Window Details

ID	Dir	Height	Width	Utility	Glass	Frame	Curtain	Blind	Fixed & Adj Eave	Fixed Eave	Head to Eave
1	S	2.0m	2.8m	No	SG	TIMB	NC	No	1.8m	1.8m	0.2m
2	S	2.0m	1.4m	No	SG	TIMB	NC	No	1.8m	1.8m	0.2m
3	S	2.0m	1.4m	No	SG	TIMB	NC	No	1.8m	1.8m	0.2m
4	S	2.0m	2.8m	No	SG	TIMB	NC	No	1.8m	1.8m	0.2m
5	N	0.3m	0.6m	No	SG	ALSTD	NC	No	2.9m	2.9m	0.2m
6	N	1.0m	0.7m	No	SG	ALSTD	NC	No	2.9m	2.9m	0.2m
7	N	1.0m	1.2m	No	SG	ALSTD	NC	No	2.9m	2.9m	0.2m
8	N	0.6m	0.6m	No	SG	ALSTD	NC	No	2.9m	2.9m	0.2m
9	N	1.0m	0.6m	No	SG	ALSTD	NC	No	2.9m	2.9m	0.2m
10	N	2.1m	1.8m	No	SG	ALSTD	NC	No	2.9m	2.9m	0.2m
11	N	1.2m	1.4m	No	SG	ALSTD	NC	No	2.9m	2.9m	0.2m
12	N	1.5m	1.3m	No	SG	ALSTD	NC	No	2.9m	2.9m	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
No shaded windows											

### Zoning Details

Is there Cross Flow Ventilation ? Good

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	0m²	
Area of Lightweight Mass	0m²	
	<u>Sealed</u>	<u>UnSealed</u>
Chimneys	0	0
Vents	0	0
Fans	0	1
Downlights	0	0
Skylights	0	0
Utility Doors	0	3
External Doors	1	0
Unflued Gas Heaters	0	
Percentage of Windows Sealed	100%	
Windows - Average Gap	Small	
External Doors - Average Gap	Small	
Gaps & Cracks Sealed	No	