

# **ADVISORY NOTICE** 03/20 **BUILDING**

*Advisory Notices are issued to assist in the interpretation of the Planning, Development and Infrastructure Act 2016 and the Development Act 1993*

*April 2020*

## **TECHNICAL:**

### **Heating and cooling load limits for elevated buildings under SA 3.12.0.1(a)(iv) and (v)**

### **ENERGY EFFICIENCY - Heating and cooling loads for elevated buildings**

One of the changes to the energy efficiency provisions in NCC 2019 is the requirement that, from 1 May 2020, all energy efficiency star ratings using house energy rating software must include the separate heating and cooling loads identified for the applicable required star rating (ref 3.12.0.1 in Vol Two and J0.2(a) in Vol One).

The acceptable heating and cooling load limits for the various NCC star ratings are listed in the [ABCB Standard for NatHERS Heating and Cooling Load Limits](#), which is available from the Australian Building Codes Board (ABCB) website. However, the tables in this document do not include heating and cooling load limits for the Class 1 buildings covered by SA variation SA 3.12.0.1(a)(iv) and (v), which allows them to have a reduced energy efficiency rating of 5 stars in lieu of 6 stars.

For NatHERS climate zones in South Australia, the heating and cooling load limits listed in the [ABCB Standard for NatHERS Heating and Cooling Load Limits](#) for Class 1 and Class 2 buildings with 6 star ratings have been extracted and shown in Table 1 below, while the heating and cooling load limits for Class 2 buildings with 5 star ratings have been extracted and shown in Table 2.

The SA variation has been amended to allow the heating and cooling load limits for 5 star Class 2 buildings (Table 2) to be used for 5 star Class 1 buildings that are the subject of SA variation SA 3.12.0.1(a)(iv) and (v).

NatHERS climate zone	Climate zone name	Heating load limit (MJ/m <sup>2</sup> /year)	Cooling load limit (MJ/m <sup>2</sup> /year)
8	Moree	71	57
16	Adelaide	67	52
27	Mildura	82	57
43	Oodnadatta	35	91
45	Woomera	66	57
53	Ceduna	62	43
59	Mt Lofty	226	13
61	Mt Gambier	139	20

Table 1 – Target MJ/m<sup>2</sup>/year for 6 star ratings – Class 1 and 2 buildings

NatHERS climate zone	Climate zone name	Heating load limit (MJ/m <sup>2</sup> /year)	Cooling load limit (MJ/m <sup>2</sup> /year)
8	Moree	91	92
16	Adelaide	96	93
27	Mildura	113	97
43	Oodnadatta	95	118
45	Woomera	85	94
53	Ceduna	80	67
59	Mt Lofty	301	0
61	Mt Gambier	172	35

Table 2 - Target MJ/m<sup>2</sup>/year for 5 star ratings – Class 2 buildings

*This Advisory Notice is for general information only and should not be relied upon as legal advice or an accurate statement of the relevant legislation provisions. If you are uncertain as to your legal obligations you should obtain independent legal advice.*

## Further information

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