Grampians Region Climate Adaptation Scorecard

Overview Of Scores

		Year
D. Extent of ecosystem protection and restoration (area protected, Ecological Vegetation Class) Average percentage of area protected in the Grampians region	20.2%	2020
Average percentage of area protected in the Grampians region	20.270	2020
Overall average percentage change of area protected for Interim Biogeographic Regionalisation for Australia (IBRA) regions in the Grampians	0.03% +	2020
Average condition assessment of biodiversity for the 11 Local Government Areas (LGAs) that are within each Catchment Management Authority (CMA)	Neutral	2019/2020
E. Overall environment score		
A composite measure of inundation, stream flows, hot days, tree cover, vegetation condition, exposed soil and vegetation growth (score 7 out of 10)	2.1 +	2020
F. Percentage of water released for the environment		
Total of water released for the environment in the Grampians region in megalitres	67,324	2019/2020
Overall percentage change of water released for the environment in catchments in the Grampians region	1.6% +	2019/2020
H. Average energy efficiency of housing stock based on Residential Efficiency Scorecard		
Overall average star rating for dwellings within the Grampian region (score 5.9 out of 7)	84%	2021
Overall average change for energy star ratings of dwellings in the Grampians (increase on the scale of 0–7)	0.12 +	2021

Overview Of Scores (continued)

		Year
I. Solar photovoltaic energy installations and capacity		
Overall average percentage of dwellings in the Grampians region that have photovoltaic installations	26.4%	2021
Overall average percentage change of photovoltaic installations	N/A*	2021
J. Percentage of waste recycle (waste diversion)		
Overall average percentage of waste recycle (waste diversion) for the Grampians Region	24.3%	2019/2020
Overall average percentage change of waste recycle (waste diversion) for the Grampians	-8.6% -	2019/2020
K. Solar installations; battery and solar powered water heaters.		
Solar batteries installed in the State	364	2021
Overall percentage change of battery installations in the State	-90.6% –	2021
Total solar water heaters installed in the Grampians	1,436	2021
Overall percentage change of solar water heaters installed in the Grampians	49.5% +	2021
L. Annual water use per capita		
Residential annual water use per capita in the Grampians region in litres	61,170	2019/2020
Overall percentage change of water usage (industrial and residential) in the Grampians adjusted for population	-3.7% +	2019/2020

^{*} Change can be determined for next year

Overview Of Scores (continued)

		Year
N. Sustainable land management practices reporting		
Average condition assessment of land health for the 11 LGAs that are within each CMAs	Neutral	2019/2020
O. Soil moisture		
Overall soil moisture for the Grampian region in mm	446.6	2020
Overall average percentage change of soil moisture for the Grampians	2.6% +	2020
S. Number of councils with environmentally sustainable design policies in their planning scheme		
Number of councils with environmentally sustainable design policies in their planning scheme	All 11 LGAs +	2021
T. Victorian Energy Efficiency Certificates (VEECs)		
Total of Victorian energy efficiency certificates created within postcodes in the Grampians region	370,736	2019/2020
Total of victorial energy efficiency certificates created within postcodes in the Orampians region	370,730	2013/2020
Overall percentage change of number of VEECs generated in the Grampians region	230.8% +	2019/2020

Author

Ernesto Valenzuela and Aaron Valenzuela, Federation University (Final version: 06/July/2021) Corresponding author: Dr Ernesto Valenzuela, Senior Lecturer, Federation Business School, Federation University

Berwick campus, 901 Level 2, 72/100 Clyde Rd, Berwick VIC 3806, Australia, Phone: (61) 03 5122 6648, ernesto.valenzuela@federation.edu.au

This project is funded by the Department of Environment, Land, Water and Planning. The authors acknowledge the engagement of Janene Trickey in developing this scorecard. The authors are grateful for valuable comments from Mel Douglas, Geoffrey Miller and Katrina Dunn.