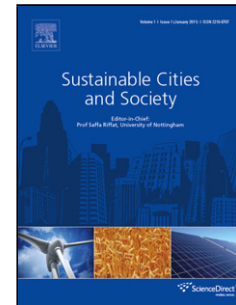


Accepted Manuscript

Title: Preferences for sustainable, liveable and resilient neighbourhoods and homes: a case of Canberra, Australia

Authors: Sorada Tapsuwan, Claire Mathot, Iain Walker, Guy Barnett



PII: S2210-6707(17)30843-0
DOI: <https://doi.org/10.1016/j.scs.2017.10.034>
Reference: SCS 826

To appear in:

Received date: 13-7-2017
Revised date: 23-10-2017
Accepted date: 24-10-2017

Please cite this article as: Tapsuwan, Sorada., Mathot, Claire., Walker, Iain., & Barnett, Guy., Preferences for sustainable, liveable and resilient neighbourhoods and homes: a case of Canberra, Australia. *Sustainable Cities and Society* <https://doi.org/10.1016/j.scs.2017.10.034>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Preferences for sustainable, liveable and resilient neighbourhoods and homes: a case of Canberra, Australia

Sorada Tapsuwan^{ab}, Claire Mathot^{b,1}, Iain Walker^{b,2}, and Guy Barnett^c

^aCorresponding author: CSIRO Land & Water, Private Bag 5, Wembley, WA 6913, Australia, Email: sorada.tapsuwan@csiro.au

^bCSIRO Land & Water, Private Bag 5, Wembley, WA 6913, Australia

^cCSIRO Land & Water, GPO Box 1700, Canberra, ACT 2601, Australia, Email: guy.barnett@csiro.au

¹ Permanent email address: Claire.mathot@orange.fr

² Permanent address: Health Research Institute, University of Canberra, Locked Bag 1, University of Canberra, ACT 2601, Australia, Email: iain.walker@canberra.edu.au

Highlights

- Presents a synthesis of a review of empirical literature evaluating the important sustainable, liveable, and resilient features of the neighbourhood and home
- It is the first one of its kind to evaluate all three – sustainable, liveable, and resilient – features of both the neighbourhood and home in a single study.
- Ascertained an importance ranking by home buyers for a comprehensive list of home and neighbourhood features (67 neighbourhood features and 38 features of the home)

Abstract

Australian households are faced with rising energy costs and increasing occurrences of extreme weather events, such as hail storms and heat waves, due to the effect of climate change and related policies e.g. carbon tax. Consequently, there has been increasing effort into designing homes and neighbourhoods that have built-in or retrofitted sustainable features such as solar panels to ensure that households are able to secure their own supply of electricity in times of shortages, as well as save on utility bills. The objective of this paper is to understand people's preferences for characteristics of sustainable neighbourhoods and homes using a case study of 300 residents in Canberra, Australia. Findings from this survey suggest that housing affordability, energy saving designs for good

Download English Version:

<https://daneshyari.com/en/article/6775466>

Download Persian Version:

<https://daneshyari.com/article/6775466>

[Daneshyari.com](https://daneshyari.com)