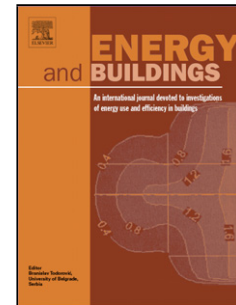


Accepted Manuscript

Title: IEA EBC Annex 63–Implementation of Energy Strategies in Communities

Authors: H. Strasser, J. Kimman, A. Koch, O. Mair am Tinkhof, D. Müller, J. Schiefelbein, C. Slotterback



PII: S0378-7788(17)31678-X
DOI: <http://dx.doi.org/10.1016/j.enbuild.2017.08.051>
Reference: ENB 7880

To appear in: *ENB*

Received date: 11-5-2017
Revised date: 18-8-2017
Accepted date: 18-8-2017

Please cite this article as: H.Strasser, J.Kimman, A.Koch, O.Mair am Tinkhof, D.Müller, J.Schiefelbein, C.Slotterback, IEA EBC Annex 63–Implementation of Energy Strategies in Communities, Energy and Buildings <http://dx.doi.org/10.1016/j.enbuild.2017.08.051>

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.

IEA EBC Annex 63 – Implementation of Energy Strategies in Communities

H. Strasser^a, J. Kimman^b, A. Koch^c, O. Mair am Tinkhof^a, D. Müller^d, J. Schiefelbein^d, C. Slotterback^e)

^a Salzburg Institute for Regional Planning and Housing, Salzburg, Austria

^b ZUYD University of Applied Sciences, Heerlen, Netherlands

^c EIfER | European Institute for Energy Research, Karlsruhe, Germany

^d RWTH Aachen University, E.ON Energy Research Center, Institute for Energy Efficient Buildings and Indoor Climate, Germany

^e University of Minnesota – Associate Professor, Urban and Regional Planning Program, United States of America

Corresponding author: Helmut Strasser, Salzburg Institute for Regional Planning and Housing, Schillerstraße 25, 5020 Salzburg, Austria. E-Mail: helmut.strasser@salzburg.gv.at

Highlights

- **Cities play a key role in implementing the Paris Agreement**
- **The implementation of energy strategies in communities is hereby a main challenge**
- **This challenge can be met with success by editing nine strategic measures**

Abstract

Technological improvements of HVAC-systems, buildings and other energy consuming products can support a reduction of CO₂ emissions. The implementation of energy efficient technology is important to reach the climatic goals of the Paris agreement. As cities are the main contributors of greenhouse gas emissions, they offer great potential for implementation of energy efficiency measures and emission reduction. Thus, the question arises on how to support the implementation process. The main challenge is not only the implementation and usage of technologies, but also the optimisation of existing local instruments, processes and frameworks to efficiently support the implementation of energy strategies in communities. This paper summarises results of the Annex 63 - Implementation of Energy Strategies in Communities – within the Energy in Buildings and Communities Program (EBC) of the International Energy Agency (IEA). It includes procedures and best-practice examples to implement optimized energy strategies in communities. The

Download English Version:

<https://daneshyari.com/en/article/6729181>

Download Persian Version:

<https://daneshyari.com/article/6729181>

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