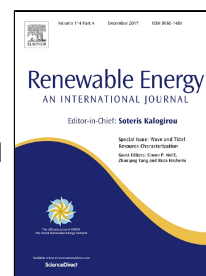


Accepted Manuscript

Assessment of the potential use of demand response in DHW systems on isolated microgrids

Diana Neves, André Pina, Carlos A. Silva



PII: S0960-1481(17)30889-3
DOI: 10.1016/j.renene.2017.09.027
Reference: RENE 9225
To appear in: *Renewable Energy*
Received Date: 08 November 2016
Revised Date: 26 May 2017
Accepted Date: 08 September 2017

Please cite this article as: Diana Neves, André Pina, Carlos A. Silva, Assessment of the potential use of demand response in DHW systems on isolated microgrids, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.09.027

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.

Highlights

- The impact of Demand Response is compared for different isolated microgrids
- Best results are found for islands with installed power capacity < 20 MW
- DHW systems with Demand Response can reduce peak load and costs increases
- Best scenario presents less 88% CO₂ emissions than other DHW non-renewable solutions

Download English Version:

<https://daneshyari.com/en/article/6765318>

Download Persian Version:

<https://daneshyari.com/article/6765318>

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