

Accepted Manuscript

Rethinking the role of occupant behavior in building energy performance: A review

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PII: S0378-7788(18)30757-6
DOI: [10.1016/j.enbuild.2018.05.017](https://doi.org/10.1016/j.enbuild.2018.05.017)
Reference: ENB 8558



To appear in: *Energy & Buildings*

Received date: 7 March 2018
Revised date: 2 May 2018
Accepted date: 7 May 2018

Please cite this article as: Yan Zhang , Xuemei Bai , Franklin P. Mills , John C.V. Pezzey , Rethinking the role of occupant behavior in building energy performance: A review, *Energy & Buildings* (2018), doi: [10.1016/j.enbuild.2018.05.017](https://doi.org/10.1016/j.enbuild.2018.05.017)

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Highlights:

- A basic and comprehensive picture of research on occupant behavior and building energy performance is presented by systematic review of the literature.
- Four critical research topics are identified.
- Energy-saving potential of occupant behavior is discussed and estimated to be in the range of 10%-25% for residential buildings and 5%-30% for commercial buildings.
- Four existing research gaps are identified and discussed.

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