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Smart homes, home energy management systems and real-time feedback: lessons for changing energy consumption behavior from a Swedish field study

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**Highlights**

- We examine the impact of HEMS (feedback and smart features) on energy consumption
- Findings from interviews with 14 households on their interaction with HEMS are presented
- Effects on energy consumption varied widely among individual households
- Obstacles for energy consumption behavioral change are identified
- Policy implications and key issues for future research are suggested

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