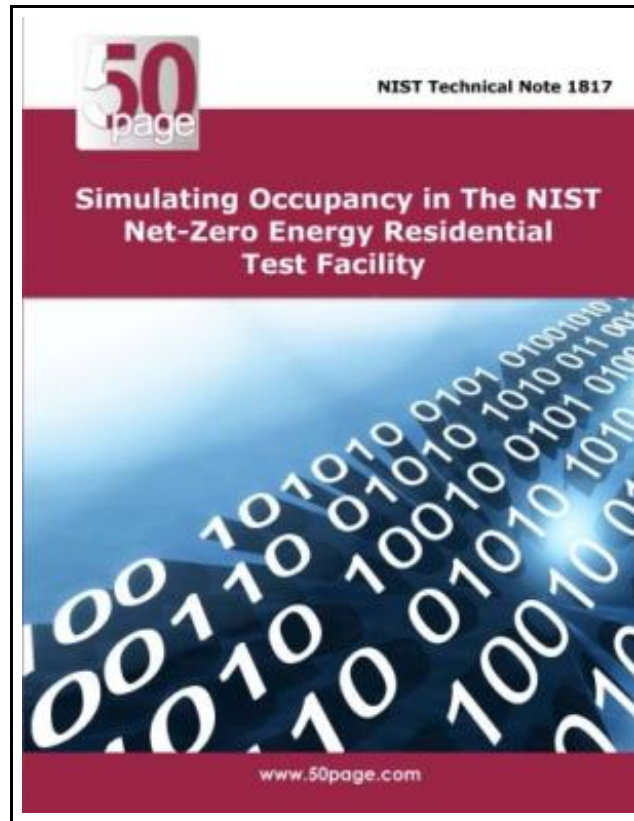


## Simulating Occupancy in The NIST Net-Zero Energy Residential Test Facility



Filesize: 6.66 MB

### ***Reviews***

*Comprehensive information! Its this sort of very good read through. This is certainly for all those who statte that there was not a worthy of studying. Your daily life period will likely be convert as soon as you total reading this publication.*

*(Candace Kling)*

## SIMULATING OCCUPANCY IN THE NIST NET-ZERO ENERGY RESIDENTIAL TEST FACILITY

[DOWNLOAD](#)

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 70 pages. Dimensions: 11.0in. x 8.5in. x 0.2in. The Net-Zero Energy Residential Test Facility (NZERTF), at the National Institute of Standards and Technology (NIST) in Gaithersburg, Maryland, is a research house that is comparable in size and aesthetic to the houses in the greater Washington DC metro area. The purpose of the NZERTF is to demonstrate the feasibility of achieving net zero energy over the course a year (i. e. , energy generated using photovoltaic modules and solar hot water equals energy consumed). The lifestyle choices of the occupants can have a substantial effect on the overall energy consumption of the house. As a laboratory facility, a methodology was needed to simulate this occupants behavior. The occupancy in the NZERTF is emulated by a virtual family of four whose behavior and activities are based recommendations published by the U. S. Department of Energy. In order to attempt to realistically emulate the daily activities of the virtual family it is necessary to replicate their occupancy profiles, water usage, lighting usage, miscellaneous electric plug loads, cooking loads, appliances loads, and sensible and latent loads. This paper discusses the methodology, strategy, and hardware behind emulating the occupancy in the NZERTF. This item ships from La Vergne, TN. Paperback.



[Read Simulating Occupancy in The NIST Net-Zero Energy Residential Test Facility Online](#)



[Download PDF Simulating Occupancy in The NIST Net-Zero Energy Residential Test Facility](#)

## See Also



---

### **The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up**

B&H Kids. Hardcover. Book Condition: New. Cory Jones (illustrator). Hardcover. 32 pages. Dimensions: 9.1in. x 7.2in. x 0.3in. Oh sure, we all heard the story of Jonah and the Whale a hundred times. But have we...

[Save Book »](#)



---

### **The Mystery at Motown Carole Marsh Mysteries**

Carole Marsh Mysteries. Paperback. Book Condition: New. Randolyn Friedlander (illustrator). Paperback. 32 pages. Dimensions: 11.1in. x 8.7in. x 0.0in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery...

[Save Book »](#)



---

### **The Stories Julian Tells A Stepping Stone Book™**

Random House Books for Young Readers. Paperback. Book Condition: New. Ann Strugnell (illustrator). Paperback. 80 pages. Dimensions: 7.6in. x 5.0in. x 0.4in. Julian is a quick fibber and a wishful thinker. And he is great at...

[Save Book »](#)



---

### **Absolutely Lucy #4 Lucy on the Ball A Stepping Stone Book™**

Random House Books for Young Readers. Paperback. Book Condition: New. David Merrell (illustrator). Paperback. 112 pages. Dimensions: 7.4in. x 5.1in. x 0.4in. Ilene Coopers fourth story of a boy and his beagle takes Bobby and Lucy...

[Save Book »](#)



---

### **Animalogy: Animal Analogies**

Sylvan Dell Publishing. Paperback. Book Condition: New. Cathy Morrison (illustrator). Paperback. 32 pages. Dimensions: 9.8in. x 8.4in. x 0.4in. Compare and contrast different animals through predictable, rhyming analogies. Find the similarities between even the most incompatible...

[Save Book »](#)