

Publications of Richard E. Brown

Refereed Journal Articles

- Lanzisera, Steven, Stephen Dawson-Haggerty, H.Y. Iris Cheung, Jay Taneja, David Culler, and Richard Brown. 2013. "Methods for detailed energy data collection of miscellaneous and electronic loads in a commercial office building." *Building and Environment*. vol. 65, pp. 170-177. (also LBNL-xxxE).
- Black, Douglas R., Steven M. Lanzisera, Judy Lai, Richard E. Brown, and Brett C. Singer. 2013. "Evaluation of miscellaneous and electronic device energy use in hospitals." *World Review of Science, Technology and Sustainable Development*. vol. 10, no. 1-3. January. pp. 113-128. (also LBNL-6084E). <http://inderscience.metapress.com/content/>.
- Lanziera, Steven, Bruce Nordman, and Richard Brown. 2011. "Data Network Equipment Energy Use and Savings Potential in Buildings." *Energy Efficiency*. vol. 5, no. 2. Sept. pp. 149-162. (also LBNL-xxxE).
- Masanet, Eric R., Richard E. Brown, Arman Shehabi, Jonathan G. Koomey, and Bruce Nordman. 2011. "Estimating the Energy Use and Efficiency Potential of U.S. Data Centers." *Proceedings of the IEEE*. vol. 99, no. 8. August. pp. 1440 - 1453. (also LBNL-5830E). <http://dx.doi.org/10.1109/JPROC.2011.2155610>.
- Cheung, Hoi Ying (Iris), Alan Meier, and Richard Brown. 2011. "Energy savings assessment for digital-to-analog converter boxes." *Energy Policy*. vol. 39, no. 3. March. pp. 1312-1317. (also LBNL-4569E).
- Sanchez, Marla C., Richard E. Brown, Carrie Webber, and Gregory K. Homan. 2008. "Savings estimates for the United States Environmental Protection Agency's ENERGY STAR voluntary product labeling program." *Energy Policy*. vol. 36, no. 6, pp. 2098-2108 (also LBNL-329E). <http://dx.doi.org/10.1016/j.enpol.2008.02.021>.
- Webber, Carrie A., Judy A. Roberson, Marla C. McWhinney, Richard E. Brown, Margaret J. Pinckard, and John F. Busch. 2006. "After-hours Power Status of Office Equipment in the USA." *Energy*. vol. 31, no. 14. (also LBNL-57470). November. pp. 2823-2838.
- Brown, Richard E., and Jonathan G. Koomey. 2003. "Electricity Use in California: Past Trends and Present Usage Patterns." *Energy Policy*. vol. 31, no. 9. (also LBNL-47992). July. pp. 849-864.
- Koomey, Jonathan, Chris Calwell, Skip Laitner, Jane Thornton, Richard E. Brown, Joe Eto, Carrie Webber, and Cathy Cullicott. 2002. "Sorry, Wrong Number: The Use and Misuse of Numerical 'Facts' in Analysis and Media Reporting of Energy Issues." *Annual Review of Energy and the Environment 2002*. R. H. Socolow, D. Anderson and J. Harte, eds. (also LBNL-50499). Palo Alto, CA: Annual Reviews, Inc.
- Brown, Richard, Carrie Webber, and Jonathan Koomey. 2002. "Status and Future Directions of the ENERGY STAR Program." *Energy--The International Journal*. vol. 27, no. 5. (also LBNL-50859). May. pp. 505-520.

- Kawamoto, Kaoru, Jonathan Koomey, Bruce Nordman, Richard E. Brown, Maryann Piette, Michael Ting, and Alan Meier. 2002. "Electricity Used by Office Equipment and Network Equipment in the U.S." *Energy--The International Journal*. vol. 27, no. 3. (also LBNL-45917). March. pp. 255-269.
- Webber, Carrie A., Richard E. Brown, and Jonathan G. Koomey. 2000. "Savings Estimates for the ENERGY STAR Voluntary Labeling Program." *Energy Policy*. vol. 28, no. 15. December. pp. 1137-1150.
- Jennings, J., M. Moezzi, R. Brown, E. Mills, R. Sardinsky, B. Heckendorn, D. Lerman, L. Tribwell. 1997. "Residential Lighting: The Data to Date." *Journal of the Illuminating Engineering Society*. vol. 26, no. 2. (also LBL-35484). Summer.

Refereed Conference Proceedings

- Lanzisera, Steven, Stephen Dawson-Haggerty, X. Jiang, Hoy Y. Cheung, Jay Taneja, Judy Lai, Jorge Ortiz, David Culler, and Richard Brown. 2012. *Wireless Electricity Metering of Miscellaneous and Electronic Devices in Buildings*. Proceedings of the IEEE Future of Instrumentation Workshop. Nov.
- Brown, Richard, Louis-Benoit Desroches, Karina Garbesi, and Alan Meier. 2012. *Achieving Extreme Efficiency: How to Get the Job Done When Energy is Extremely Expensive and Scarce*. Proceedings of the 2012 ACEEE Summer Study on Energy Efficiency in Buildings in Asilomar, CA. Washington, DC: American Council for an Energy Efficient Economy (also LBNL-5601E). August.
- Cheung, H.Y. (Iris), Steven Lanzisera, Judy Lai, Stephen Dawson-Haggerty, Jay Taneja, David Culler, and Richard Brown. 2012. *Detailed Energy Data Collection for Miscellaneous and Electronic Loads in a Commercial Office Building*. Proceedings of the 2012 ACEEE Summer Study on Energy Efficiency in Buildings in Asilomar, CA. Washington, DC: American Council for an Energy Efficient Economy (also LBNL-6192E). August.
- Dawson-Haggerty, Stephen, Steven Lanzisera, Jay Taneja, Richard Brown, and David Culler. 2012. *@scale: Insights from a Large, Long-Lived Appliance Energy WSN*. Proceedings of the 11th ACM/IEEE Conf. on Information Processing in Sensor Networks, SPOTS Track (IPSN/SPOTS '12) in Beijing, China. April.
- Brown, Richard, Steven Lanzisera, Hoi Ying (Iris) Cheung, Judy Lai, Xiaofan Jiang, Stephen Dawson-Haggerty, Jay Taneja, Jorge Ortiz, and David Culler. 2011. *Using Wireless Power Meters to Measure Energy Use of Miscellaneous and Electronic Devices in Buildings*. Proceedings of the Energy Efficient Domestic Appliances and Lighting (EEDAL) Conference in Copenhagen, Denmark (also LBNL-4892E). May.
- Lanzisera, Steven, Bruce Nordman, and Richard E. Brown. 2010. *Data Network Equipment Energy Use and Savings Potential in Buildings*. Proceedings of the 2010 ACEEE Summer Study on Energy Efficiency in Buildings in Asilomar, CA. Washington, DC: American Council for an Energy Efficient Economy (also LBNL- 3510E), August.

- Lutz, Jim, Peter Biermayer, Rich Brown, Alan Meier, and Jim McMahon. 2010. *How to Make Appliance Standards Work: Improving Energy and Water Efficiency Test Procedures*. Proceedings of the 2010 ACEEE Summer Study on Energy Efficiency in Buildings in Asilomar, CA. Washington, DC: American Council for an Energy Efficient Economy (also LBNL-4961E). August.
- Masanet, Eric, Klaas Jan Kramer, Gregory Homan, Richard Brown, and Ernst Worrell. 2009. *Assessment of Supply Chain Energy Efficiency Potentials: A U.S. Case Study*. Proceedings of the 2009 IEEE International Symposium on Sustainable Systems and Technologies in Tempe, Arizona. IEEE (also LBNL-2265E), June.
- Homan, Gregory, Marla Sanchez, and Richard Brown. 2008. *Savings Estimates for the United States Environmental Protection Agency's ENERGY STAR Voluntary Product Labeling Program*. Proceedings of the 2008 ACEEE Summer Study on Energy Efficiency in Buildings in Asilomar, CA. Washington, DC: American Council for an Energy Efficient Economy (also LBNL-xxxx). August.
- Sanchez, Marla, Richard Brown, and Gregory Homan. 2008. *EPA ENERGY STAR: Tackling Growth in Home Electronics and Small Appliances*. Proceedings of the 2008 ACEEE Summer Study on Energy Efficiency in Buildings in Asilomar, CA. Washington, DC: American Council for an Energy Efficient Economy (also LBNL-1218E), August.
- Brown, Richard, William Rittelmann, Danny Parker, and Gregory Homan. 2006. *Appliances, Lighting, Electronics, and Miscellaneous Equipment Electricity Use in New Homes*. Proceedings of the 2006 ACEEE Summer Study on Energy Efficiency in Buildings. Washington, DC: American Council for an Energy Efficient Economy (also LBNL-62440). August.
- Sanchez, Marla C., Carrie A. Webber, Richard Brown, John Busch, Margaret Pinckard, and Judy Roberson. 2006. *Space Heaters, Computers, Cell Phone Chargers: How Plugged In Are Commercial Buildings?* Proceedings of the 2006 ACEEE Summer Study on Energy Efficiency in Buildings. Washington, DC: American Council for an Energy Efficient Economy (also LBNL-62397), August. pp 9-304: 9-315.
- Parker, Danny, David Hoak, Alan Meier, and Richard Brown. 2006. *How Much Energy Are We Using? Potential of Residential Energy Demand Feedback Devices*. Proceedings of the 2006 ACEEE Summer Study on Energy Efficiency in Buildings. Washington, DC: American Council for an Energy Efficient Economy (also LBNL-63383), August. pp 1-211: 1-222.
- Webber, Carrie A., David Korn, and Marla C. Sanchez. 2006. *Savings Potential of ENERGY STAR® External Power Adapters and Battery Chargers*. Proceedings of the 2006 ACEEE Summer Study on Energy Efficiency in Buildings. Washington, DC: American Council for an Energy Efficient Economy (also LBNL-62399), August. pp 9-371: 9-384.
- Roberson, Judy A., Richard E. Brown, Bruce Nordman, Carrie A. Webber, Gregory Homan, Akshay Mahajan, Marla McWhinney, and Jonathan G. Koomey. 2002. *Power Levels in Office Equipment: Measurements of New Monitors and Personal Computers*. Proceedings of the 2002 ACEEE Summer Study on Energy Efficiency in Buildings (also

- LBNL-50508). Washington, DC: American Council for an Energy Efficient Economy. August.
- Brown, Richard, Carrie Webber, and Jonathan Koomey. 2000. *Status and Future Directions of the ENERGY STAR Program*. Proceedings of the 2000 ACEEE Summer Study on Energy Efficiency in Buildings (also LBNL-45952). Washington, DC: American Council for an Energy Efficient Economy. August.
- Kawamoto, Kaoru, Jonathan Koomey, Bruce Nordman, Richard E. Brown, Maryann Piette, and Alan Meier. 2000. *Electricity Used by Office Equipment and Network Equipment in the U.S.* Proceedings of the 2000 ACEEE Summer Study on Energy Efficiency in Buildings (also LBNL-45917). Washington, DC: American Council for an Energy Efficient Economy. August.
- Brown, Richard E., Celina S. Atkinson, Jeffrey L. Warner, Judy A. Roberson, Marla C. Sanchez, Sarah E. Bretz, and Jonathan G. Koomey. 1998. *Developing Energy-Efficiency Packages for New Production Homes*. Proceedings of the 1998 ACEEE Summer Study on Energy Efficiency in Buildings (also LBNL-41561). Washington, DC: American Council for an Energy Efficient Economy. August.
- Roberson, Judy A., Richard E. Brown, Jonathan G. Koomey, Jeffrey L. Warner, and Steve E. Greenberg. 1998. *Recommended Ventilation Strategies for New Energy-Efficient Production Homes*. Proceedings of the 1998 ACEEE Summer Study on Energy Efficiency in Buildings (also LBNL-42680). Washington, DC: American Council for an Energy Efficient Economy. August.
- Webber, Carrie A., and Richard E. Brown. 1998. *Savings Potential of ENERGY STAR Voluntary Labeling Programs*. Proceedings of the 1998 ACEEE Summer Study on Energy Efficiency in Buildings (also LBNL-41972). Washington, DC: American Council for an Energy Efficient Economy. August.
- Roberson, Judy A., Nance E. Matson, Richard E. Brown, and Jonathan G. Koomey. 1997. *Recommended Ventilation Strategies for New Energy-Efficient Production Homes*. Presented at 18th AIVC Conference: Ventilation and Cooling, in Athens, Greece. Published by Air Infiltration and Ventilation Centre, University of Warwick Science Park. September 23-26, 1997.
- May, Carol, Rich Brown, Peter Banwell, Kate Foery, Stephen Offutt, and Annette Wilson. 1996. *Increasing the Use of Energy-Efficient HVAC Equipment in Homes Through the Use of Voluntary and Profitable Pollution Prevention Programs*. Proceedings of the 1996 ACEEE Summer Study on Energy Efficiency in Buildings. Washington, DC: American Council for an Energy Efficient Economy. August.
- Brown, Richard E. 1994. *Estimates of the Achievable Potential for Electricity Efficiency Improvements in US Residences*. Proceedings of the 1994 ACEEE Summer Study on Energy Efficiency in Buildings (also LBL-34835). Washington, DC: American Council for an Energy Efficient Economy. August.
- Brown, Richard E., Dariush K. Arasteh, and Joseph H. Eto. 1992. *Improving the Thermal Performance of the U.S. Residential Window Stock*. Proceedings of the 1992 ACEEE

Summer Study on Energy Efficiency in Buildings. Washington, DC: American Council for an Energy Efficient Economy. August.

LBLN and Other Reports

Katipamula, S, RM Underhill, JK Goddard, D Taasevigen, MA Piette, J Granderson, R Brown, S Lanzisera, and T Kuruganti. 2012. *Small- and Medium-Sized Commercial Building Monitoring and Controls Needs: A Scoping Study*. Richland, WA: Pacific Northwest National Laboratory. PNNL-22169. October.
http://www.pnnl.gov/main/publications/external/technical_reports/PNNL-22169.pdf.

Cheung, Hoi Ying (Iris), Rod Mahdavi, Steve Greenberg, Rich Brown, William Tschudi, Pierre Delforge, and Joyce Dickerson. 2012. *Fact Sheet: Improving Energy Efficiency for Server Rooms and Closets*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-5935E. September.

Brown, R., S. Lanzisera, T. Sharp, M. Lindsey, and K. Andrews. 2012. *Technologies for Deep Reductions in Military Operational Energy Use*. In Cleantech Conference & Showcase 2012. Santa Clara, CA: TechConnect World. June.

Homan, Gregory K., Marla Sanchez, and Richard E. Brown. 2012. *Calendar Year 2010 Program Benefits for ENERGY STAR Labeled Products*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-xxxxE. July.

Homan, Gregory K., Marla Sanchez, and Richard E. Brown. 2010. *Calendar Year 2009 Program Benefits for ENERGY STAR Labeled Products*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-4284E. November.
<http://escholarship.org/uc/item/0m95m189>.

Melody, Moya, Camilla Dunham Whitehead, and Richard Brown. 2010. *Improving Energy Efficiency And Reducing Costs In The Drinking Water Supply Industry: An Energy Star Resource Guide for Energy and Plant Managers*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL- 4530E. September.
<http://escholarship.org/uc/item/6bg9f6tk>.

Sanchez, Marla, Gregory Homan, Judy Lai, and Richard Brown. 2009. *Calendar Year 2007 Program Benefits for U.S. EPA Energy Star Labeled Products: Expanded Methodology*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-2695E. September.
<http://enduse.lbl.gov/info/LBNL-2695E.pdf>.

Sanchez, Marla, Gregory Homan, and Richard Brown. 2008. *Calendar Year 2007 Program Benefits for ENERGY STAR Labeled Products*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-1217E. October. <http://enduse.lbl.gov/info/LBNL-1217E.pdf>.

Brown, Richard, Sam Borgeson, Jon Koomey, and Peter Biermayer. 2008. *U.S. Building-Sector Energy Efficiency Potential*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-1096E. September. <http://enduse.lbl.gov/info/1096E-abstract.html>.

- Brown, Richard, Eric Masanet, Bruce Nordman, Bill Tschudi, Arman Shehabi, John Stanley, Jonathan Koomey, Dale Sartor, Peter Chan, Joe Loper, Steve Capana, Bruce Hedman, Rebecca Duff, Evan Haines, Danielle Sass, and Andrew Fanara. 2007. *Report to Congress on Server and Data Center Energy Efficiency: Public Law 109-431*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-363E. August 2.
http://www.energystar.gov/ia/partners/prod_development/downloads/EPA_Datacenter_Report_Congress_Final1.pdf.
- Sanchez, Marla, Carrie A. Webber, Richard Brown, and Gregory K. Homan. 2007. *2008 Status Report - Savings Estimates for the ENERGY STAR Voluntary Labeling Program*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-56380(2008). November.
[http://enduse.lbl.gov/info/LBNL-56380\(2008\).pdf](http://enduse.lbl.gov/info/LBNL-56380(2008).pdf).
- Sanchez, Marla, Carrie A. Webber, Richard Brown, and Gregory K. Homan. 2007. *2007 Status Report - Savings Estimates for the ENERGY STAR Voluntary Labeling Program*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-56380(2007). March.
[http://enduse.lbl.gov/info/LBNL-56380\(2007\).pdf](http://enduse.lbl.gov/info/LBNL-56380(2007).pdf).
- Sanchez, Marla, Carrie A. Webber, Richard Brown, and Gregory K. Homan. 2007. *2006 Status Report - Savings Estimates for the ENERGY STAR Voluntary Labeling Program*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-56380(2006). March.
[http://enduse.lbl.gov/info/LBNL-56380\(2006\).pdf](http://enduse.lbl.gov/info/LBNL-56380(2006).pdf).
- Sanchez, Marla, Carrie A. Webber, Richard Brown, and Gregory K. Homan. 2007. *2005 Status Report - Savings Estimates for the ENERGY STAR Voluntary Labeling Program*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-56380(2005). March.
[http://enduse.lbl.gov/info/LBNL-56380\(2005\).pdf](http://enduse.lbl.gov/info/LBNL-56380(2005).pdf).
- Pinckard, Margaret J., Richard E. Brown, Evan Mills, James D. Lutz, Mithra M. Moezzi, Celina Atkinson, Chris Bolduc, Gregory K. Homan, and Katie Coughlin. 2005. *Documentation of Calculation Methodology, Input Data, and Infrastructure for the Home Energy Saver Web Site, version 1.2*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-51938. July.
- Masanet, Eric, Lynn Price, Stephane de la Rue du Can, Richard Brown, and Ernst Worrell. 2005. *Optimization of Product Life Cycles to Reduce Greenhouse Gas Emissions in California*. Sacramento, CA: California Energy Commission, PIER Energy-Related Environmental Research. February.
- Golove, William, Richard Brown, and Edward Holt. 2004. *Guide to Purchasing Green Power: Renewable Electricity, Renewable Energy Certificates and On-Site Renewable Generation*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-52684. September.
- McWhinney, Marla, Gregory Homan, Richard Brown, Judy Roberson, Bruce Nordman, and John Busch. 2004. *Field Power Measurements of Imaging Equipment*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-54202. May.
- Roberson, Judy A., Carrie A. Webber, Marla C. McWhinney, Richard E. Brown, Margaret J. Pinckard, and John F. Busch. 2004. *After-Hours Power Status of Office Equipment and*

- Energy Use of Miscellaneous Plug-Load Equipment*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-53729-Revised. May.
- Webber, Carrie A., Richard E. Brown, and Marla McWhinney. 2004. *2004 Status Report Savings Estimates for the ENERGY STAR® Voluntary Labeling Program*. LBNL-56380(2004). March.
- Webber, Carrie A., Richard E. Brown, Marla McWhinney and Jonathan Koomey. 2003. *2002 Status Report: Savings Estimates for the ENERGY STAR(R) Voluntary Labeling Program*. LBNL-51319. March.
- Koomey, Jonathan G., and Richard E. Brown. 2002. *The Role of Building Technologies in Reducing and Controlling Peak Electricity Demand*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-49947. September.
- Roberson, Judy A., Gregory K. Homan, Akshay Mahajan, Bruce Nordman, Carrie A. Webber, Richard E. Brown, Marla McWhinney, and Jonathan G. Koomey. 2002. *Energy Use and Power Levels in New Monitors and Personal Computers*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-48581. June.
- Webber, Carrie A., Richard E. Brown, Akshay Mahajan, and Jonathan G. Koomey. 2002. *Savings Estimates for the ENERGY STAR Voluntary Labeling Program: 2001 Status Report*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-48496. February.
- Webber, Carrie A., Judy A. Roberson, Richard E. Brown, Christopher T. Payne, Bruce Nordman, and Jonathan G. Koomey. 2001. *Field Surveys of Office Equipment Operating Patterns*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-46930. September.
- Kawamoto, Kaoru, Jonathan Koomey, Mike Ting, Bruce Nordman, Richard E. Brown, Maryann Piette, and Alan Meier. 2001. *Electricity Used by Office Equipment and Network Equipment in the U.S.: Detailed Report and Appendices*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-45917. February.
- Koomey, Jonathan, Kaoru Kawamoto, Bruce Nordman, Mary Ann Piette, and Richard E. Brown. 1999. *Initial comments on 'The Internet Begins with Coal*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-44698. December.
- Roberson, Judy A., Richard E. Brown, Jonathan G. Koomey, Steve E. Greenberg. 1998. *Recommended Ventilation Strategies for Energy-Efficient Production Homes*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBNL-40378. December.
- Koomey, Jonathan G., Richard E. Brown, and Francis X. Johnson. 1995. *Residential Sector End-use Forecasting with EPRI-REEPS 2.1: Summary Input Assumptions and Results*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBL-34044. December.
- Jennings, J.D., R. Brown, M. Moezzi, E. Mills, R. Sardinsky. 1995. *An Assessment of the U. S. Residential Lighting Market*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBL-38406. October.

- Jennings, J.D., R. Brown, M. Moezzi, E. Mills, R. Sardinsky. 1995. *A Snapshot of the Residential Lighting Market*. Berkeley, CA: Lawrence Berkeley National Laboratory. LBL-37456. June.
- Johnson, Francis X., James W. Hanford, Richard E. Brown, Alan H. Sanstad and Jonathan G. Koomey. 1994. *Residential HVAC Data, Assumptions and Methodology for End-Use Forecasting with EPRI-REEPS 2.1*. Berkeley, CA: Lawrence Berkeley Laboratory. LBL-34045. June.
- Hwang, Roland J., Francis X. Johnson, Richard E. Brown, James W. Hanford, and Jonathan G. Koomey. 1994. *Residential Appliance Data, Assumptions and Methodology for End-Use Forecasting with EPRI-REEPS 2.1*. Berkeley, CA: Lawrence Berkeley Laboratory. LBL-34046. May.
- Hanford, James W., Jonathan G. Koomey, Lisa E. Stewart, Matthew E. Lecar, Richard E. Brown, Francis X. Johnson, Roland J. Hwang and Lynn Price. 1994. *Baseline Data for the Residential Sector and Development of a Residential Forecasting Database*. Berkeley, CA: Lawrence Berkeley Laboratory. LBL-33717. May.
- Brown, Richard E. 1986. *The Princeton Scorekeeping Method: Electricity Consumption in a Cooling-Intensive Climate*. Princeton, NJ: Princeton Center for Energy and Environmental Studies. Working Paper No. 85. June.

Magazine Articles

- Brown, Rich, and Danny Parker. 2007. "Roadblocks to Zero-Energy Homes." *Home Energy*. January/February. vol. 24, no. 1. pp. 24-28.
- Christensen, Ken, Bruce Nordman, and Richard Brown. 2004. "Power Management in Networked Devices." *IEEE Computer*. vol. 37, no. 8. (also LBNL-55816). August.

Theses

- Brown, Richard E. 1993. *Estimates of the Achievable Potential for Electricity Efficiency in U.S. Residences*. M.A. Thesis, Energy and Resources Group, University of California, Berkeley (also LBNL-44869).
- Brown, Richard E. 1986. *The Princeton Scorekeeping Method: Electricity Consumption in a Cooling-Intensive Climate*. B.S.E. thesis. Engineering and Management Systems Program, Department of Civil Engineering, Princeton University.

Testimony

- Brown, Richard. 2009. *Energy Efficiency and Renewable Energy Technologies in Wastewater Management*. Washington, DC: Testimony before the Subcommittee On Water Resources And Environment, House Committee On Transportation And Infrastructure,

U.S. House of Representatives, 111th Congress. February 4.
<http://Transportation.house.gov/Media/File/water/20090204/Rich%20Brown%20Testimony.pdf>.