SMART THERMOSTATS
REFERENCES

Aarish, C., & Jones, M. (2016). Smart Thermostats and the Triple Bottom Line: People, Planet, and Profits. *ACEEE Summer Study on Energy Efficiency in Buildings*, 9.

Abrol, S., Mehmani, A., Kerman, M., Meinrenken, C. J., & Culligan, P. J. (2018). Data-Enabled Building Energy Savings (D-E BES). *Proceedings of the IEEE*, *106*(4), 661–679. https://doi.org/10.1109/JPROC.2018.2791405

Amirthalingam, D., Peko, G., & Sundaram, D. (2017). People, Process, And Technology Dimensions Of Smart Home Adoption, 10.

Apex Analytics, LLC. (2014). *Energy Trust of Oregon Nest Thermostat Heat Pump Control Pilot Evaluation*. Retrieved from http://energytrust.org/library/reports/Nest_Pilot_Study_Evaluation_wSR.pdf

Ariza, D. (2016). *A Study of the Potential Impact of Smart Thermostats on Residential Efficiency and Demand Response in North America*. MIT.

Berg Insight. (2016a). *Smart Homes and Home Automation – 4th Edition*. Retrieved from http://www.berginsight.com/ShowReport.aspx?m_m=3&id=229

Berg Insight. (2016b). *Smart Homes and Home Automation- Fourth Report* (Market Analysis No. Four). Retrieved from http://www.berginsight.com/ReportPDF/ProductSheet/bi-sh4-ps.pdf

Berg Insight. (2017). *Smart Homes and Home Automation- Fifth Report*. Retrieved from http://www.berginsight.com/ReportPDF/ProductSheet/bi-sh5-ps.pdf

Berg Insight. (2018). *Smart Homes and Home Automation- Sixth Report*. Retrieved from http://www.berginsight.com/ReportPDF/ProductSheet/bi-sh6-ps.pdf

Boverket. (2005). *Housing statistics in the European Union, 2004*. Karlskrona; Prague: National Board of Housing, Building and Planning, Sweden and Ministry for Regional Development of the Czech Republic.

BPIE. (2017). *Is Europe ready for the Smart Buildings Revolution?* Retrieved from http://bpie.eu/wp-content/uploads/2017/02/STATUS-REPORT-Is-Europe-ready_FINAL_LR.pdf

Bugeja, J., Jacobsson, A., & Davidsson, P. (2016). On Privacy and Security Challenges in Smart Connected Homes. In *2016 European Intelligence and Security Informatics Conference (EISIC)* (pp. 172–175). Uppsala, Sweden: IEEE. https://doi.org/10.1109/EISIC.2016.044

Darby, S. J. (2018). Smart technology in the home: time for more clarity. *Building Research & Information*, *46*(1), 140–147. https://doi.org/10.1080/09613218.2017.1301707

Demiris, G., & Hensel, B. K. (2008). Technologies for an Aging Society: A Systematic Review of "Smart Home" Applications. *Yearbook of Medical Informatics*, *17*(01), 33–40. https://doi.org/10.1055/s-0038-1638580

Dorai, G., Houshmand, S., & Baggili, I. (2018). I Know What You Did Last Summer: Ythe Smart Home Internet of Things and Ythe iPhone Forensically Ratting You Out. In *Proceedings of the 13th International Conference on Availability, Reliability and Security* (pp. 49:1–49:10). New York, NY, USA: ACM. https://doi.org/10.1145/3230833.3232814

Downes, L. (2018). Internet of Things: How to Avoid Short-Term Errors and Ensure Lasting Adoption, *10*(2), 6.

EIA. (2009). *2009 Residential Energy Consumption Survey (RECS)*. Washington, D.C.: U.S. Energy Information Administration. Retrieved from http://www.eia.gov/consumption/residential/data/2009/index.cfm?view=consumption

EPA. (2016). *Summary of Research Findings From the Programmable Thermostat Market*. U.S. Environmental Protection Agency.

European Commission. (2016). *An EU Strategy on Heating and Cooling*. Brussels: European Commission. Retrieved from https://ec.europa.eu/energy/sites/ener/files/documents/1_EN_ACT_part1_v14.pdf

Ford, R., Pritoni, M., Sanguinetti, A., & Karlin, B. (2017). Categories and functionality of smart home technology for energy management. *Building and Environment*, *123*, 543–554. https://doi.org/10.1016/j.buildenv.2017.07.020

Gartner, M. (2017). *Gartner Insights on How to Lead in a Connected World* (p. 29).

Hargreaves, T., Wilson, C., & Hauxwell-Baldwin, R. (2018). Learning to live in a smart home. *Building Research & Information*, *46*(1), 127–139. https://doi.org/10.1080/09613218.2017.1286882

Hoffman, D. L., & Novak, T. P. (2018). The Path of Emergent Experience in the Consumer IoT: From Early Adoption to Radical Changes in Consumers' Lives. *Marketing Intelligence Review*, *10*(2), 8.

IEA (2019) Energy Prices and Taxes, First Quarter 2019, IEA/OECD, Paris

IEA (2017) Energy Technology Perspectives 2017: Catalysing Energy Technology Transformations.

IEA (2016) - Energy Prices and Taxes, 3rd Quarter 2016, IEA/OECD, Paris.

Kamel Ehsan, & Memari Ali M. (2019). State-of-the-Art Review of Energy Smart Homes. *Journal of Architectural Engineering*, *25*(1), 03118001. https://doi.org/10.1061/(ASCE)AE.1943-5568.0000337

Lund, H., Østergaard, P. A., Connolly, D., & Mathiesen, B. V. (2017). Smart energy and smart energy systems. *Energy*, *137*, 556–565. https://doi.org/10.1016/j.energy.2017.05.123

Malik, O., Ramchurn, S. D., Fuentes, C., Fischer, J., Crabtree, A., Nowacka, D., … Jennings, N. R. (2018). Everyday Interaction With Autonomous Internet of Things. In *Workshop on AI for Internet of Things* (p. 4). Stockholm, Sweden: IBM Zurich.

Malinick, T., Wilairat, N., Holmes, J., Perry, L., Innovations, E. M., Ware, I. W., & Energy, C. (2012). Destined to disappoint: programmable thermostat savings are only as good as the assumptions about their operating characteristics. *ACEEE Summer Study on Energy Efficiency in Buildings Pacific Grove, CA*. Retrieved from http://www.aceee.org/files/proceedings/2012/data/papers/0193-000237.pdf

Meier, A. (2012). How people actually use thermostats. *ACEEE Summer Study on Energy Efficiency in Buildings. Pacific Grove, Calif.: American Council for an Energy Efficient Economy.* Retrieved from http://escholarship.org/uc/item/3vd5q0cp.pdf

Minoli, D., Sohraby, K., & Occhiogrosso, B. (2017). IoT Considerations, Requirements, and Architectures for Smart Buildings—Energy Optimization and Next-Generation Building Management Systems. *IEEE Internet of Things Journal*, *4*(1), 269–283. https://doi.org/10.1109/JIOT.2017.2647881

Muth, P. (2017). *Using Sensor Data of Widespread Smart Home Devices to Save Energy in Private Homes*. Gesellschaft für Informatik, Bonn. https://doi.org/10.18420/in2017_96

Navigant Research. (2014). *Commercial Building Automation Systems*. Retrieved from http://www.navigantresearch.com/research/commercial-building-automation-systems

Nest Labs. (2015). *Energy Savings from the Nest Learning Thermostat: Energy Bill Analysis Results* (White Paper). Retrieved from https://nest.com/downloads/press/documents/energy-savings-white-paper.pdf

Newsham, G. R., & Bowker, B. G. (2010). The effect of utility time-varying pricing and load control strategies on residential summer peak electricity use: A review. *Energy Policy*, *38*(7), 3289–3296. https://doi.org/10.1016/j.enpol.2010.01.027

Norman, B. (2018). Are autonomous cities the urban future? *Nature Communications*, *9*(1). https://doi.org/10.1038/s41467-018-04505-0

Peng, C. (2016). Calculation of a building's life cycle carbon emissions based on Ecotect and building information modeling. *Journal of Cleaner Production*, (112).

PLMA. (2018). *PLMA Practitioner Perspectives: The Future of Utility "Bring Ythe Own Thermostat" Programs, A Compendium of Industry Viewpoints*. Retrieved from https://www.peakload.org/assets/Groupsdocs/PractitionerPerspectives-UtilityBYOTPrograms-March2018.pdf

Potter, J., Stuart, E., & Cappers, P. (2018). *Barriers and Opportunities to Broader Adoption of Integrated Demand Side Management at Electric Utilities: A Scoping Study* (No. 1425437). Lawrence Berkeley National Laboratory, LBNL-5272E. https://doi.org/10.2172/1425437

Pritoni, M., Ford, R., Karlin, B., & Sanguinetti, A. (2018). Home energy management (HEM) database: A list with coded attributes of 308 devices commercially available in the US. *Data in Brief*, *16*, 71–74. https://doi.org/10.1016/j.dib.2017.10.067

Roth, K. W., Westphalen, D., Feng, M. Y., Llana, P., & Quartararo, L. (2005). *Energy Impact of Commercial Building Controls and Performance Diagnostics: Market Characterization, Energy Impact of Building Faults and Energy Savings Potential*. Cambridge, MA: TIAX LLC. Retrieved from http://s3.amazonaws.com/zanran_storage/www.tiaxllc.com/ContentPages/42428345.pdf

Schieweck, A., Uhde, E., Salthammer, T., Salthammer, L., Morawska, L., Mazaheri, M., & Kumar, P. (2018). Smart homes and the control of indoor air quality - ScienceDirect, *94*, 705–718.

Sintov, N. D., & Schultz, P. W. (2017). Adjustable Green Defaults Can Help Make Smart Homes More Sustainable. *Sustainability*, *9*(4), 622. https://doi.org/10.3390/su9040622

Snell, E. (2016). Navigating the Oncoming Storm: Opportunities and Challenges with Home Energy Management. *ACEEE*, 12.

Statista. (2016). Connected thermostats sales revenue in the US 2014-2016. Retrieved September 7, 2016, from http://www.statista.com/statistics/525914/us-connected-thermostats-sales-revenue/

Stubbe (2018) Consumers Getting Hot for Smart Thermostats, Bloomberg BNEF, https://www.bloomberg.com/news/articles/2018-01-02/consumers-getting-hot-for-smart-thermostats

van der Ham, W., Klein, M., Tabatabaei, S. A., Thilakarathne, D. J., & Treur, J. (2016). Methods for a Smart Thermostat to Estimate the Characteristics of a House Based on Sensor Data. *Energy Procedia*, *95*, 467–474. https://doi.org/10.1016/j.egypro.2016.09.067

Wei, C., Qing, P., Song, F., Zheng, X., Yu, Y., Guo, J., & Chen, Z. (2016). A Survey Analysis of Energy Use and Conservation Opportunities in Chinese Households. In B. Su & E. Thomson (Eds.), *China's Energy Efficiency and Conservation* (Vol. 31, pp. 5–22). Singapore: Springer Singapore. Retrieved from http://link.springer.com/10.1007/978-981-10-0928-0_2

Zheng, S., Apthorpe, N., Chetty, M., & Feamster, N. (2018). User Perceptions of Smart Home IoT Privacy. *Proceedings of the ACM on Human-Computer Interaction*, *2*(CSCW), 1–20. https://doi.org/10.1145/3274469