References

[1] Hanna Ritchie, Max Roser, and Pablo Rosado. 'Energy'. In: *Our World in Data* (2022). https://ourworldindata.org/energy (cited on page 3).

[2] EIA. *Energy Intensity*. 2023. www.eia.gov/opendata/index.php#bulk-downloads (cited on page 3).

[3] Energy Institute. 'Energy intensity'. In: *Energy Institute Statistical Review of World Energy* (2023) (cited on page 3).

[4] IEA. 2023. *Energy Efficiency Indicators Data Explorer*. www.iea.org/data-and-statistics/data-tools/energy-efficiency-indicators-data-explorer (cited on page 4).

[5] IEA. 2021. *Data and Statistics*. www.iea.org/reports/key-world-energy-statistics-2021/final-consumption (cited on pages 4, 6, 7).

[6] Hannah Ritchie. 'Global comparison: How much energy do people consume?'. In: *Our World in Data* (2021). https://ourworldindata.org/per-capita-energy (cited on page 5).

[7] SFOE. 'Buildings'. In: *Startseite* (2023) (cited on page 6).

[8] Anjali Jaiswal and Prima Madan. 'Towering possibilities in India: Efficient buildings'. In: *NRDC* (2019). www.nrdc.org/experts/anjali-jaiswal/towering-possibilities-india-efficient-buildings (cited on page 7).

[9] Malini Goyal. 'How car ownership is changing rapidly and irreversibly in India'. In: *The Economic Times* (2018). https://economictimes.indiatimes.com/industry/auto/auto-news/how-car-ownership-is-changing-rapidly-and-irreversibly-in-india/articleshow/66296079.cms?from=mdr (cited on page 7).

[10] Megha Kumar. 'How car ownership is changing rapidly and irreversibly in India'. In: *International Council on Clean Transportation Blog* (2021). https://theicct.org/whats-the-business-as-usual-future-for-road-transport-in-india/ (cited on page 7).

[11] Hannah Ritchie and Max Roser. 'Per capita CO_2 emissions'. In: *Our World in Data* (2020). https://ourworldindata.org/greenhouse-gas-emissions (cited on page 8).

[12] Hannah Ritchie and Max Roser. 'Emissions by sector'. In: *Our World in Data* (2020). https://ourworldindata.org/emissions-by-sector (cited on pages 8, 10).

[13] IEA. 'Methane tracker 2021 – Analysis'. In: *CC BY 4.0* (2022) (cited on page 8).

[14] IEA. 'Methane tracker data explorer – Analysis'. In: *CC BY 4.0* (2023) (cited on page 8).

[15] Hannah Ritchie and Max Roser. 'CO_2 and greenhouse gas emissions'. In: *Our World in Data* (2020). https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions (cited on page 9).

[16] World Bank. CO_2 *Emissions (metric tons per capita)*. 2020. https://data.worldbank.org/indicator/EN.ATM.CO2E.PC (cited on page 10).

Downloaded from https://www.cambridge.org/core. UNIVERSIDAD AUTONOMA METROPOLITANA, on 18 Nov 2026 at 01:32:21, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. https://doi.org/10.1017/9781009471831

[17] IPCC. 'IPCC summary for policymakers'. In: *Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change* (2021). https://doi.org/10.1017/9781009157896.001 (cited on page 11).

[18] Nicholas Herbert Stern. 'The economics of climate change'. In: *Stern Review* 30 (2006) (cited on page 11).

[19] Marshall Burke, Solomon M. Hsiang, and Edward Miguel. 'Global non-linear effect of temperature on economic production'. In: *Nature* 527.7577 (2015), pp. 235–239. https://doi.org/10.1038/nature15725 (cited on page 12).

[20] Matthias Kalkuhl and Leonie Wenz. 'The impact of climate conditions on economic production. Evidence from a global panel of regions'. In: *Journal of Environmental Economics and Management* 103 (2020), p. 102360. https://doi.org/10.1016/j.jeem.2020.102360 (cited on page 12).

[21] UN. 'Stressing air pollution kills 7 million people annually, secretary-general urges governments to build green economy, in message for World Environment Day'. In: *United Nations* SG/SM/19607-ENV/DEV/1957-OBV/1887 (2019) (cited on page 12).

[22] C40 Knowledge Hub. 'WHO air quality guidelines'. In: *WHO* (2021) (cited on page 12).

[23] Ian Tiseo. 'Most polluted capital cities 2020'. In: *Statista* (2021) (cited on page 13).

[24] IQAir. 'World Air Quality Report 2019'. (2020). www.iqair.com/world-most-polluted-cities/world-air-quality-report-2019-en.pdf (cited on page 13).

[25] IQAir. 'World Air Quality Report 2020'. (2021). www.iqair.com/world-most-polluted-cities/world-air-quality-report-2020-en.pdf (cited on page 13).

[26] Hannah Choi Granade et al. 'Unlocking energy efficiency in the US economy'. In: *McKinsey & Company* (2009) (cited on page 14).

[27] Anna Alberini and Massimo Filippini. 'Transient and persistent energy efficiency in the US residential sector: Evidence from household-level data'. In: *Energy Efficiency* 11.3 (2018), pp. 589–601. https://doi.org/10.1007/s12053-017-9599-z (cited on pages 14, 110).

[28] Massimo Filippini and Lester C. Hunt. 'Energy demand and energy efficiency in the OECD countries: A stochastic demand frontier approach'. In: *The Energy Journal* 32.2 (2011). https://doi.org/10.5547/ISSN0195-6574-EJ-Vol32-No2-3 (cited on pages 14, 108).

[29] ScienceFacts.Net. 'Types of Renewable Energy Sources: Sources, advantages & disadvantages'. In: *Science Facts* (Dec. 2020) (cited on page 18).

[30] Sendhil Mullainathan and Richard Thaler. 'Behavioral economics'. In: *National Bureau of Economic Research* Working Paper 7948 (Jan. 2000). https://doi.org/10.2139/ssrn.245828 (cited on page 22).

[31] Cheng-Yao Zhang et al. 'Impact factors of household energy-saving behavior: An empirical study of Shandong Province in China'. In: *Journal of Cleaner Production* 185 (2018), pp. 285–298. https://doi.org/10.1016/j.jclepro.2018.02.303 (cited on page 30).

[32] Graham Beattie, Iza Ding, and Andrea La Nauze. 'Is there an energy efficiency gap in China? Evidence from an information experiment'. In: *Journal of Environmental Economics and Management* 115 (2022), p. 102713. https://doi.org/10.1016/j.jeem.2022.102713 (cited on page 31).

[33] Mozhgan Alaeifar, Mehdi Farsi, and Massimo Filippini. 'Scale economies and optimal size in the Swiss gas distribution sector'. In: *Energy Policy* 65 (2014), pp. 86–93. https://doi.org/10.1016/j.enpol.2013.09.038 (cited on page 33).

Downloaded from https://www.cambridge.org/core. UNIVERSIDAD AUTONOMA METROPOLITANA, on 18 Nov 2026 at 01:32:21, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. https://doi.org/10.1017/9781009471831

[34] Christine Jolls, Cass R. Sunstein, and Richard Thaler. 'A behavioral approach to law and economics'. In: *Harvard Law School John M. Olin Center for Law, Economics and Business Discussion Paper Series* 50 (May 1998). https://doi.org/10.2307/1229304 (cited on page 34).

[35] Suchita Srinivasan and Stefano Carattini. 'Adding fuel to fire? Social spillovers in the adoption of LPG in India'. In: *Ecological Economics* 167 (2019), p. 106398. https://doi.org/10.1016/j.ecolecon.2019.106398 (cited on page 36).

[36] Harvey Leibenstein. 'Allocative efficiency vs. "X-efficiency"'. In: *American Economic Review* 56.3 (1966), pp. 392–415 (cited on pages 37, 38).

[37] Mehdi Farsi, Massimo Filippini, and Michael Kuenzle. 'Cost efficiency in the Swiss gas distribution sector'. In: *Energy Economics* 29.1 (2007), pp. 64–78. https://doi.org/10.1016/j.eneco.2006.04.006 (cited on page 38).

[38] Mehdi Farsi and Massimo Filippini. 'An analysis of cost efficiency in Swiss multi-utilities'. In: *Energy Economics* 31.2 (2009), pp. 306–315. https://doi.org/10.1016/j.eneco.2008.11.009 (cited on page 38).

[39] Massimo Filippini, Thomas Geissmann, and William H. Greene. 'Persistent and transient cost efficiency – an application to the Swiss hydropower sector'. In: *Journal of Productivity Analysis* 49 (2018), pp. 65–77. https://doi.org/10.1007/s11123-017-0522-6 (cited on page 38).

[40] Gro Harlem Brundtland. *Report of the World Commission on Environment and Development: 'Our Common Future'*. UN, 1987 (cited on pages 42, 43).

[41] Massimo Filippini and Shonali Pachauri. 'Elasticities of electricity demand in urban Indian households'. In: *Energy Policy* 32.3 (2004), pp. 429–436. https://doi.org/10.1016/S0301-4215(02)00314-2 (cited on pages 61, 64).

[42] William H. Greene. *Econometric Analysis*. Prentice Hall, 2018 (cited on page 63).

[43] Nina Boogen, Souvik Datta, and Massimo Filippini. 'Estimating residential electricity demand: New empirical evidence'. In: *Energy Policy* 158 (2021), p. 112561. https://doi.org/10.1016/j.enpol.2021.112561 (cited on pages 63, 64).

[44] John Dimitropoulos*, Lester C. Hunt, and Guy Judge. 'Estimating underlying energy demand trends using UK annual data'. In: *Applied Economics Letters* 12.4 (2005), pp. 239–244. https://doi.org/10.1080/1350485052000337789 (cited on pages 64, 69).

[45] Lester C. Hunt and Yasushi Ninomiya. 'Primary energy demand in Japan: An empirical analysis of long-term trends and future CO_2 emissions'. In: *Energy Policy* 33.11 (2005), pp. 1409–1424. https://doi.org/10.1016/j.enpol.2003.12.019 (cited on page 64).

[46] Paresh Kumar Narayan, Russell Smyth, and Arti Prasad. 'Electricity consumption in G7 countries: A panel cointegration analysis of residential demand elasticities'. In: *Energy Policy* 35.9 (2007), pp. 4485–4494. https://doi.org/10.1016/j.enpol.2007.03.018 (cited on page 64).

[47] Chandra Kiran B. Krishnamurthy and Bengt Kriström. 'A cross-country analysis of residential electricity demand in 11 OECD-countries'. In: *Resource and Energy Economics* 39 (2015), pp. 68–88. https://doi.org/10.1016/j.reseneeco.2014.12.002 (cited on page 64).

[48] Isabella Schulte and Peter Heindl. 'Price and income elasticities of residential energy demand in Germany'. In: *Energy Policy* 102 (2017), pp. 512–528. https://doi.org/10.1016/j.enpol.2016.12.055 (cited on page 64).

Downloaded from https://www.cambridge.org/core. UNIVERSIDAD AUTONOMA METROPOLITANA, on 18 Nov 2026 at 01:32:21, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. https://doi.org/10.1017/9781009471831

[49] Namrata Chindarkar and Nihit Goyal. 'One price doesn't fit all: An examination of heterogeneity in price elasticity of residential electricity in India'. In: *Energy Economics* 81 (2019), pp. 765–778. https://doi.org/10.1016/j.eneco.2019.05.021 (cited on page 64).

[50] Yumin Li, Yan Jiang, and Shiyuan Li. 'Price and income elasticities of electricity in China: Estimation and policy implications'. In: *Regional Science Policy & Practice* 46 (2022), pp. 76–91. https://doi.org/10.1111/rsp3.12309 (cited on page 64).

[51] Carol A. Dahl. 'Measuring global gasoline and diesel price and income elasticities'. In: *Energy Policy* 41 (2012), pp. 2–13. https://doi.org/10.1016/j.enpol.2010.11.055 (cited on page 64).

[52] Massimo Filippini and Fabian Heimsch. 'The regional impact of a CO_2 tax on gasoline demand: A spatial econometric approach'. In: *Resource and Energy Economics* 46 (2016), pp. 85–100. https://doi.org/10.1016/j.reseneeco.2016.07.00 (cited on pages 64, 227).

[53] Massimo Filippini and Nilkanth Kumar. 'Gas demand in the Swiss household sector'. In: *Applied Economics Letters* 28.5 (2021), pp. 359–364. https://doi.org/10.1080/13504851.2020.1753875 (cited on page 65).

[54] Paul J. Burke and Hewen Yang. 'The price and income elasticities of natural gas demand: International evidence'. In: *Energy Economics* 59 (2016), pp. 466–474. https://doi.org/10.1016/j.eneco.2016.08.025 (cited on page 65).

[55] David Coyle, Jason DeBacker, and Richard Prisinzano. 'Estimating the supply and demand of gasoline using tax data'. In: *Energy Economics* 34.1 (2012), pp. 195–200. https://doi.org/10.1016/j.eneco.2011.07.011 (cited on page 65).

[56] Brantley Liddle. 'The systemic, long-run relation among gasoline demand, gasoline price, income, and vehicle ownership in OECD countries: Evidence from panel cointegration and causality modeling'. In: *Transportation Research Part D: Transport and Environment* 17.4 (2012), pp. 327–331. https://doi.org/10.1016/j.trd.2012.01.007 (cited on page 65).

[57] Amado Crotte, Robert B. Noland, and Daniel J. Graham. 'An analysis of gasoline demand elasticities at the national and local levels in Mexico'. In: *Energy Policy* 38.8 (2010), pp. 4445–4456. https://doi.org/10.1016/j.enpol.2010.03.076 (cited on page 65).

[58] Jihyo Kim and Eunnyeong Heo. 'Asymmetric substitutability between energy and capital: Evidence from the manufacturing sectors in 10 OECD countries'. In: *Energy Economics* 40 (2013), pp. 81–89. https://doi.org/10.1016/j.eneco.2013.06.014 (cited on pages 68, 69).

[59] Nicholas Bloom et al. 'Modern management: Good for the environment or just hot air?'. In: *The Economic Journal* 120.544 (2010), pp. 551–572. https://doi.org/10.1111/j.1468-0297.2010.02351.x (cited on page 69).

[60] Ralf Martin et al. 'Anatomy of a paradox: Management practices, organizational structure and energy efficiency'. In: *Journal of Environmental Economics and Management* 63.2 (2012), pp. 208–223. https://doi.org/10.1016/j.jeem.2011.08.003 (cited on page 69).

[61] Arti Grover and Valerie J. Karplus. 'The energy-management nexus in firms: Which practices matter, how much and for whom?'. In: *World Bank Group, Washington, DC*, Policy Research Working Paper 9397 (2020) (cited on page 69).

[62] David Kamerschen and David Porter. 'The demand for residential, industrial and total electricity, 1973–1998'. In: *Energy Economics* 26 (2004), pp. 87–100. https://doi.org/10.1016/S0140-9883(03)00033-1 (cited on page 69).

Downloaded from https://www.cambridge.org/core. UNIVERSIDAD AUTONOMA METROPOLITANA, on 18 Nov 2026 at 01:32:21, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. https://doi.org/10.1017/9781009471831

[63] Olutomi I. Adeyemi and Lester C. Hunt. 'Modelling OECD industrial energy demand: Asymmetric price responses and energy-saving technical change'. In: *Energy Economics* 29.4 (2007), pp. 693–709. https://doi.org/10.1016/j.eneco.2007.01.007 (cited on page 69).

[64] Nobuhiro Hosoe and Shu-ichi Akiyama. 'Regional electric power demand elasticities of Japan's industrial and commercial sectors'. In: *Energy Policy* 37.11 (2009), pp. 4313–4319. https://doi.org/10.1016/j.enpol.2009.05.045 (cited on page 69).

[65] Boqiang Lin and Weisheng Liu. 'Estimation of energy substitution effect in China's machinery industry–based on the corrected formula for elasticity of substitution'. In: *Energy* 129 (2017), pp. 246–254. https://doi.org/10.1016/j.energy.2017.04.103 (cited on page 69).

[66] Stefanie A. Haller and Marie Hyland. 'Capital–energy substitution: Evidence from a panel of Irish manufacturing firms'. In: *Energy Economics* 45 (2014), pp. 501–510. https://doi.org/10.1016/j.eneco.2014.08.003 (cited on page 69).

[67] Rossella Bardazzi, Filippo Oropallo, and Maria Grazia Pazienza. 'Do manufacturing firms react to energy prices? Evidence from Italy'. In: *Energy Economics* 49 (2015), pp. 168–181. https://doi.org/10.1016/j.eneco.2015.01.014 (cited on page 69).

[68] M. Aklin et al. 'Economics of household technology adoption in developing countries: Evidence from solar technology adoption in rural India'. In: *Energy Economics* 72 (2018), pp. 35–46. https://doi.org/10.1016/j.eneco.2018.02.011 (cited on page 71).

[69] Paul J. Gertler et al. 'The demand for energy-using assets among the world's rising middle classes'. In: *American Economic Review* 106.6 (2016), pp. 1366–1401. https://doi.org/10.1257/aer.20131455 (cited on page 72).

[70] Miguel Poblete-Cazenave and Shonali Pachauri. 'A model of energy poverty and access: Estimating household electricity demand and appliance ownership'. In: *Energy Economics* 98 (2021), p. 105266. https://doi.org/10.1016/j.eneco.2021.105266 (cited on page 72).

[71] Bjarne Steffen. 'Estimating the cost of capital for renewable energy projects'. In: *Energy Economics* 88 (2020), p. 104783. https://doi.org/10.1016/j.eneco.2020.104783 (cited on page 79).

[72] European Environment Agency. *Estimated average EU external costs for electricity generation technologies in 2005*. 2012. European Environment Agency. www.eea.europa.eu/data-and-maps/figures/estimated-average-eu-external-costs (cited on page 88).

[73] IEA. *Projected costs of generating electricity 2020 – Analysis*. CC BY 4.0. 2020. https://iea.blob.core.windows.net/assets/ae17da3d-e8a5-4163-a3ec-2e6fb0b5677d/Projected-Costs-of-Generating-Electricity-2020.pdf (cited on page 88).

[74] IRENA. (2018). Renewable Power Generation Costs in 2017, International Renewable Energy Agency, Abu Dhabi. (cited on pages 90, 91).

[75] Edward S. Rubin et al. 'A review of learning rates for electricity supply technologies'. In: *Energy Policy* 86 (2015), pp. 198–218. https://doi.org/10.1016/j.enpol.2015.06.011 (cited on page 92).

[76] Felipe A. M. de Faria et al. 'The local socio-economic impacts of large hydropower plant development in a developing country'. In: *Energy Economics* 67 (2017), pp. 533–544. https://doi.org/10.1016/j.eneco.2017.08.025 (cited on page 96).

[77] Janosch Ondraczek, Nadejda Komendantova, and Anthony Patt. 'WACC the dog: The effect of financing costs on the levelized cost of solar PV power'. In: *Renewable*

Downloaded from https://www.cambridge.org/core. UNIVERSIDAD AUTONOMA METROPOLITANA, on 18 Nov 2026 at 01:32:21, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. https://doi.org/10.1017/9781009471831

Energy 75 (2015), pp. 888–898. https://doi.org/10.1016/j.renene.2014.10.053 (cited on page 101).

[78] World Bank. *World development indicators*. 2023. https://databank.worldbank.org/source/world-development-indicators (cited on page 107).

[79] "Data Page: Primary energy consumption", part of the following publication: Hannah Ritchie, Pablo Rosado and Max Roser (2023) – "Energy". Data adapted from U.S. Energy Information Administration, Energy Institute. Retrieved from https://ourworldindata.org/grapher/primary-energy-cons [online resource] on 21st April, 2021 (cited on page 107).

[80] Massimo Filippini and Lester C. Hunt. 'Measuring persistent and transient energy efficiency in the US'. In: *Energy Efficiency* 9.3 (2016), pp. 663–675. https://doi.org/10.1007/s12053-015-9388-5 (cited on page 108).

[81] Julia Blasch et al. 'Explaining electricity demand and the role of energy and investment literacy on end-use efficiency of Swiss households'. In: *Energy Economics* 68 (2017), pp. 89–102. https://doi.org/10.1016/j.eneco.2017.12.004 (cited on page 110).

[82] Bruno Troja. 'A quantitative and qualitative analysis of the super-efficient equipment program subsidy in India'. In: *Energy Efficiency* 9.6 (2016), pp. 1385–1404. https://doi.org/10.1007/s12053-016-9429-8 (cited on page 111).

[83] Julia Blasch et al. 'Empower the consumer! Energy-related financial literacy and its implications for economic decision making'. In: *Economics of Energy & Environmental Policy* 10.2 (Apr. 2021), pp. 149–181. https://doi.org/10.5547/2160-5890.10.2.jbla (cited on pages 119, 120).

[84] Massimo Filippini, Nilkanth Kumar, and Suchita Srinivasan. 'Energy-related financial literacy and bounded rationality in appliance replacement attitudes: Evidence from Nepal'. In: *Environment and Development Economics* 25.4 (2020), pp. 399–422. https://doi.org/10.3929/ethz-b-000328611 (cited on pages 119, 120).

[85] Susanna B. Berkouwer and Joshua T. Dean. 'Credit, attention, and externalities in the adoption of energy efficient technologies by low-income households'. In: *American Economic Review* 122 (10 2022), pp. 3291–3330. https://doi.org/10.1257/aer.20210766 (cited on page 123).

[86] Franz Fuerst and Ramandeep Singh. 'How present bias forestalls energy efficiency upgrades: A study of household appliance purchases in India'. In: *Journal of Cleaner Production* 186 (2018), pp. 558–569. https://doi.org/10.1016/j.jclepro.2018.03.100 (cited on page 124).

[87] Faisal Jamil and Eatzaz Ahmad. 'Policy considerations for limiting electricity theft in the developing countries'. In: *Energy Policy* 129 (2019), pp. 452–458. https://doi.org/10.1016/j.enpol.2019.02.035 (cited on page 125).

[88] Eliana Carranza and Robyn Meeks. 'Energy efficiency and electricity reliability'. In: *The Review of Economics and Statistics* 103.3 (2021), pp. 461–475. https://doi.org/10.1162/rest_a_00912 (cited on page 125).

[89] Lucas W. Davis, Alan Fuchs, and Paul Gertler. 'Cash for coolers: Evaluating a largescale appliance replacement program in Mexico'. In: *American Economic Journal: Economic Policy* 6.4 (2014), pp. 207–238. https://doi.org/10.1257/pol.6.4.207 (cited on page 126).

[90] Mehdi Farsi, Aurelio Fetz, and Massimo Filippini. 'Economies of scale and scope in multi-utilities'. In: *The Energy Journal* 29.4 (2008), pp. 123–143 (cited on page 134).

Downloaded from https://www.cambridge.org/core. UNIVERSIDAD AUTONOMA METROPOLITANA, on 18 Nov 2026 at 01:32:21, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. https://doi.org/10.1017/9781009471831

[91] Aurelio Fetz and Massimo Filippini. 'Economies of vertical integration in the Swiss electricity sector'. In: *Energy Economics* 32.6 (2010), pp. 1325–1330. https://doi.org/10.1016/j.eneco.2010.06.011 (cited on page 134).

[92] David Ricardo. *On the principles of political economy and taxation*. John Murray, 1817 (cited on page 136).

[93] Weijian Du, Mengjie Li, and Faming Wang. 'Role of rent-seeking or technological progress in maintaining the monopoly power of energy enterprises: An empirical analysis based on micro-data from China'. In: *Energy* 202 (2020), p. 117763. https://doi.org/10.1016/j.energy.2020.117763 (cited on page 142).

[94] Sahel Al Rousan, Rashid Sbia, and Bedri Kamil Onur Tas. 'A dynamic network analysis of the world oil market: Analysis of OPEC and non-OPEC members'. In: *Energy Economics* 75 (2018), pp. 28–41. https://doi.org/10.1016/j.eneco.2018.07.032 (cited on page 155).

[95] Muntasir Murshed and Muntaha Masud Tanha. 'Oil price shocks and renewable energy transition: Empirical evidence from net oil-importing South Asian economies'. In: *Energy, Ecology and Environment* 6.3 (2021), pp. 183–203. https://doi.org/10.1007/s40974-020-00168-0 (cited on page 158).

[96] Ioannis N. Kessides. 'The impacts of electricity sector reforms in developing countries'. In: *Renewable Energy* 25.6 (2012), pp. 79–88. https://doi.org/10.1016/j.tej.2012.07.002 (cited on page 159).

[97] Akshaya Jha, Louis Preonas, and Fiona Burlig. 'Blackouts in the developing world: The role of wholesale electricity markets'. In: *Energy Policy Institute at the University of Chicago* Working Paper No. 2022-01 (2022) (cited on page 160).

[98] European Environment Agency. *Environmental tax reform: Increasing individual incomes and boosting innovation*. 2012. www.eea.europa.eu/highlights/environmental-tax-reform-increasing-individual#:~:text=Environmental%20tax%20reform%20is%20defined,types%20of%20effects%20of%20ETR (cited on page 179).

[99] Jaume Freire-González. 'Environmental taxation and the double dividend hypothesis in CGE modelling literature: A critical review'. In: *Journal of Policy Modeling* 40.1 (2018), pp. 194–223. https://doi.org/10.1016/j.jpolmod.2017.11.002 (cited on page 181).

[100] Arief A. Yusuf and Budy P. Resosudarmo. 'On the distributional impact of a carbon tax in developing countries: The case of Indonesia'. In: *Environmental Economics and Policy Studies* 17.1 (2015), pp. 131–156. https://doi.org/10.1007/s10018-014-0093-y (cited on page 181).

[101] Davide Cerruti, Claudio Daminato, and Massimo Filippini. 'The impact of policy awareness: Evidence from vehicle choices response to fiscal incentives'. In: *Journal of Public Economics* 226 (2023), 104973. https://doi.org/10.1016/j.jpubeco.2023.104973 (cited on page 184).

[102] Yucai Hu et al. 'Can carbon emission trading scheme achieve energy conservation and emission reduction? Evidence from the industrial sector in China'. In: *Energy Economics* 85 (2020), p. 104590. https://doi.org/10.1016/j.eneco.2019.104590 (cited on page 187).

[103] Shanjun Li, Joshua Linn, and Erich Muehlegger. 'Gasoline taxes and consumer behavior'. In: *American Economic Journal: Economic Policy* 6.4 (2014), pp. 302–342. https://doi.org/10.1257/pol.6.4.302 (cited on page 190).

Downloaded from https://www.cambridge.org/core. UNIVERSIDAD AUTONOMA METROPOLITANA, on 18 Nov 2026 at 01:32:21, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. https://doi.org/10.1017/9781009471831

[104] Raj Chetty, Adam Looney, and Kory Kroft. 'Salience and taxation: Theory and evidence'. In: *American Economic Review* 99.4 (2009), pp. 1145–1177. https://doi.org/10.1257/aer.99.4.1145 (cited on page 190).

[105] Martin L. Weitzman. 'Prices vs. quantities'. In: *The Review of Economic Studies* 41.4 (1974), pp. 477–491. https://doi.org/10.2307/2296698 (cited on page 191).

[106] Suchita Srinivasan. 'The light at the end of the tunnel: Impact of policy on the global diffusion of fluorescent lamps'. In: *Energy Policy* 128 (2019), pp. 907–918. https://doi.org/10.1016/j.enpol.2019.01.001 (cited on page 195).

[107] Richard H. Thaler and Cass R. Sunstein. 'Libertarian paternalism'. In: *American Economic Review* 93.2 (2003), pp. 175–179. https://doi.org/10.1257/000282803321947001 (cited on page 195).

[108] Anant Sudarshan. 'Nudges in the marketplace: The response of household electricity consumption to information and monetary incentives'. In: *Journal of Economic Behavior Organization* 134 (2017), pp. 320–335. https://doi.org/10.1016/j.jebo.2016.12.015 (cited on page 196).

[109] Anne Sofie Elberg Nielsen et al. *Nudging and pro-environmental behaviour*. https://norden.diva-portal.org/smash/get/diva2:1065958/FULLTEXT01.pdf. Nordic Council of Ministers, 2016 (cited on page 197).

[110] *European Commission*. *'EU Ecolabel- Guiding your sustainable choice'*. *Retrieved on October 1st 2022*. https://environment.ec.europa.eu/topics/circular-economy/eu-ecolabel_en (cited on page 197).

[111] Magnus Bergquist et al. 'Field interventions for climate change mitigation behaviors: A second-order meta-analysis'. In: *Proceedings of the National Academy of Sciences* 120.13 (2023), e2214851120. https://doi.org/10.1073/pnas.2214851120 (cited on page 198).

[112] Julia Blasch, Massimo Filippini, and Nilkanth Kumar. 'Boundedly rational consumers, energy and investment literacy, and the display of information on household appliances'. In: *Resource and Energy Economics* 56 (2019), pp. 39–58. https://doi.org/10.1016/j.reseneeco.2017.06.001 (cited on page 198).

[113] Energie-Umwelt.ch. *Renovation und Heizung*. Energie. 2023. www.energie-umwelt.ch/haus/renovation-und-heizung/gebaeudeplanung/waermebedarf-und-geak (cited on page 206).

[114] Conrado Augustus de Melo and Gilberto de Martino Jannuzzi. 'Energy efficiency standards for refrigerators in Brazil: A methodology for impact evaluation'. In: *Energy Policy* 38.11 (2010). Energy Efficiency Policies and Strategies with regular papers, pp. 6545–6550. https://doi.org/10.1016/j.enpol.2010.07.032 (cited on page 214).

[115] Tabare Capitan et al. 'Time-varying pricing may increase total electricity consumption: Evidence from Costa Rica'. In: *Resource and Energy Economics* 66 (2021), p. 101264. https://doi.org/10.1016/j.reseneeco.2021.101264 (cited on page 215).

[116] United Nations Environment Programme. (2021). 'Regulating Air Quality: The First Global Assessment of Air Pollution Legislation'. www.unep.org/resources/report/regulating - air - quality - first - global - assessment - air - pollution - legislation (cited on page 219).

[117] Esther Duflo et al. 'Truth-telling by third-party auditors and the response of polluting firms: Experimental evidence from India'. In: *The Quarterly Journal of Economics* 128.4 (2013), pp. 1499–1545. https://doi.org/10.1093/qje/qjt024 (cited on page 219).

Downloaded from https://www.cambridge.org/core. UNIVERSIDAD AUTONOMA METROPOLITANA, on 18 Nov 2026 at 01:32:21, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. https://doi.org/10.1017/9781009471831

[118] Michael Greenstone and Rema Hanna. 'Environmental regulations, air and water pollution, and infant mortality in India'. In: *American Economic Review* 104.10 (2014), pp. 3038–3072. https://doi.org/10.1257/aer.104.10.3038 (cited on page 220).

[119] Paul E. Carrillo, Arun S. Malik, and Yiseon Yoo. 'Driving restrictions that work? Quito's Pico y Placa Program'. In: *Canadian Journal of Economics/Revue canadienne d'économique* 49.4 (2016), pp. 1536–1568. https://doi.org/10.1111/caje.12243 (cited on page 221).

[120] V. Brian Viard and Shihe Fu. 'The effect of Beijing's driving restrictions on pollution and economic activity'. In: *Journal of Public Economics* 125 (2015), pp. 98–115. https://doi.org/10.1016/j.jpubeco.2015.02.003 (cited on page 221).

[121] Angus Deaton and John Muellbauer. 'An almost ideal demand system'. In: *American Economic Review* 70.3 (1980), pp. 312–326 (cited on page 231).

[122] Steven Berry, James Levinsohn, and Ariel Pakes. 'Automobile prices in market equilibrium'. In: *Econometrica* 63.4 (1995), pp. 841–890. https://doi.org/10.2307/2171802 (cited on page 231).

[123] Nina Boogen et al. 'Can information about energy costs affect consumers' choices? Evidence from a field experiment'. In: *Journal of Economic Behavior Organization* 196 (2022), pp. 568–588. https://doi.org/10.1016/j.jebo.2022.02.014 (cited on page 235).

[124] Massimo Filippini, Nilkanth Kumar, and Suchita Srinivasan. 'Nudging adoption of electric vehicles: Evidence from an information-based intervention in Nepal'. In: *Transportation Research Part D: Transport and Environment* 97 (2021), p. 102951. https://doi.org/10.1016/j.trd.2021.102951 (cited on page 236).

[125] Souvik Datta and Massimo Filippini. 'Analysing the impact of ENERGY STAR rebate policies in the US'. In: *Energy Efficiency* 9.3 (2016), pp. 677–698. https://doi.org/10.1007/s12053-015-9386-7 (cited on page 239).

[126] Nina Boogen, Souvik Datta, and Massimo Filippini. 'Demand-side management by electric utilities in Switzerland: Analyzing its impact on residential electricity demand'. In: *Energy Economics* 64 (2017), pp. 402–414. https://doi.org/10.1016/j.eneco.2017.04.006 (cited on page 240).

[127] Massimo Filippini and TobiasWekhof. 'The effect of culture on energy efficient vehicle ownership'. In: *Journal of Environmental Economics and Management* 105 (2021), p. 102400. https://doi.org/10.1016/j.jeem.2020.102400 (cited on page 242).

Downloaded from https://www.cambridge.org/core. UNIVERSIDAD AUTONOMA METROPOLITANA, on 18 Nov 2026 at 01:32:21, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms. https://doi.org/10.1017/9781009471831