

# Figures

1.1	Cartoon by Jacob Fox . . . . .	page 12
2.1	Smoking and cancer beliefs Constructed by author from source: Gallup, A. and Newport, F. 2009. <i>Gallup Poll: Public Opinion 2008</i> . Rowman & Littlefield Publishing Incorporated . . . . .	33
3.1	Climate science beliefs Estimated by author from multiple sources, including national surveys by the Pew Research Center, Gallup Polls on US public opinions, National Survey of American Public Opinion on Climate Change . . . . .	52
3.2	Cartoon by Jacob Fox . . . . .	54
4.1	Global CO <sub>2</sub> emissions: developed and developing countries Constructed by author from data sources IPCC assessments and International Energy Agency reports . . . . .	68
4.2	Cartoon by Kallaugher, K. 2009. Climate Change Summit 2040. <i>The Economist</i> (November 19) . . . . .	74
5.1	Carbon budget Adapted from McCandless, D. 2012. How many gigatons of carbon dioxide? The Information is Beautiful guide to Doha. <i>The Guardian</i> (December 7). Retrieved from <a href="http://www.theguardian.com/newsdatablog/2012/dec/07/carbon-dioxide-doha-information-beautiful">www.theguardian.com/ newsdatablog/2012/dec/07/carbon-dioxide-doha-information- beautiful</a> . . . . .	82
5.2	Market share of zero-emission vehicles Created by author . . . . .	84
5.3	Climate-energy policy Created by author . . . . .	89

## LIST OF FIGURES

5.4	Connect the dots Created by author . . . . .	92
6.1	Political support in British Columbia (Dec 2006–May 2009) Constructed by author from data provided by Kathryn Harrison. For further details, see Harrison, K. 2010. The comparative politics of carbon taxation. <i>Annual Review of Law and Social Science</i> , 6 (26), 1–23 . . . . .	100
6.2	Climate-energy policy: details on regulations and pricing Created by author . . . . .	103
6.3	Contribution of California policies Constructed by author from California Air Resources Board. Retrieved at <a href="http://www.arb.ca.gov/">www.arb.ca.gov/</a> . . . . .	117
6.4	Climate policy preferences in British Columbia Source: Rhodes, K., Axsen, J. and Jaccard, M. 2014. Does effective climate policy require well-informed citizen support? <i>Global Environmental Change</i> , 29, 92–104 . . . . .	121
6.5	Political difficulty of climate policies Created by author . . . . .	124
7.1	Peak oil Created by author . . . . .	132
7.2	Sustainability challenge of resources and wastes Created by author . . . . .	133
7.3	US oil production Constructed by author from data source: US Energy Information Administration. 2019. <i>US field production of crude oil: Annual data</i> . Retrieved from <a href="http://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=pet&amp;s=mcrfpus2&amp;f=a">www.eia.gov/dnav/pet/hist/LeafHandler.ashx? n=pet&amp;s=mcrfpus2&amp;f=a</a> . . . . .	139
8.1	World air transport and GDP Constructed by author from data source: World Development Indicators database. 2017. <i>Air transport, passengers carried and GDP (constant 2010 US\$)</i> . Retrieved from <a href="https://datacatalog.worldbank.org/dataset/world-development-indicators">https://datacatalog.worldbank.org/dataset/world- development-indicators</a> . . . . .	149
8.2	Bitcoin electricity consumption Constructed by author from data sources: Digiconomist 2018. <i>Estimated annual electricity consumption, Bitcoin Energy</i>	

LIST OF FIGURES

*Consumption Index*. Retrieved from <https://digiconomist.net/bitcoin-energy-consumption>

International Energy Agency. 2018. Table 2.6 OECD electricity consumption 1974–2006 (TWh). p.II 34 ELECTRICITY INFORMATION . . . . . 153

8.3 Cartoon by Jacob Fox . . . . . 157

9.1 True carbon offsets  
 Created by author . . . . . 169

9.2 Cartoon by Jacob Fox . . . . . 175

10.1 Cartoon by Jacob Fox . . . . . 196

11.1 US solar and wind prices  
 Created by author from multiple sources.  
 Wind: Office of Energy Efficiency & Renewable Energy, US Department of Energy 2017. *2017 Wind Technologies Market Report data file, Figure 51*. Retrieved from <https://emp.lbl.gov/wind-technologies-market-report>  
 Solar: Lawrence Berkeley National Laboratory. 2018. *Utility-Scale Solar – 2018 Edition data file, Figure 20*. Retrieved from <https://emp.lbl.gov/utility-scale-solar> . . . . . 204

11.2 France electricity and CO<sub>2</sub> emissions  
 Created by author from: IEA and OECD statistical tables. <http://stats.oecd.org/> . . . . . 218

11.3 Brazil vehicles and CO<sub>2</sub> emissions  
 Created by author from: International Energy Agency . . . . . 219

11.4 Ontario electricity emissions  
 Created by author from: Government of Ontario. 2017. *2017 Long-term Energy Plan*.  
 Retrieved from <https://news.ontario.ca/mndmf/en/2017/10/2017-long-term-energy-plan.html>  
 Original source: IESO, Environment Canada and Climate Change . . . . . 220

12.1 Cartoon by Scott Willis . . . . . 234

13.1 Global CO<sub>2</sub> emissions in 2050 reference case  
 Created by author from: International Energy Agency. 2017. *World Energy Outlook*. Paris: IEA.  
 US Energy Information Administration. 2017. World carbon

**LIST OF FIGURES**

dioxide emissions. *International Energy Outlook*. Washington, DC:  
US Energy Information Administration . . . . . 250

13.2 Guide to citizen behavior for climate success  
Created by author . . . . . 259