

Index

- A**
Abberley, Paul, 251
Aberdeen Trust, 316
ABN AMRO India, 362
Access to Medicine Index, 377
ACGA. *See* Asian Corporate Governance Association (ACGA)
Acuity Brands, 109
ADM Capital Foundation (Hong Kong), 313, 316, 318
AFL-CIO, 50
Africa
 future trends, 352–53
 indexes, role of, 350
 international exposure, 350–52
 investing case, 346–48
 markets, 346
 sustainability issues, 348–50
 sustainable investing, 345
Africa Green Fund, 350
African Development Bank, 350, 352, 406
Agarwal, Mr., 250
agriculture climate change risk, 225
agrochemicals, 22
Agua Caliente project, 110
AkzoNobel, 72–73
alcohol production, 86, 135, 319
All Pension Group, 318
alternative
 energy targets, 283
 energy technologies, 118
 fuels, 266
Amazon, 31
American Funds, 102
American Water Works, 151–52
Amgen, 143
Anglo-Australian mining, 330
Anglo-Iranian, 82
Anglo-Persian, 81–82
animal cruelty, 31
animal testing, 13
anticorruption measures, 309–10
antisweatshop movement, 307
anti-trust Sherman Act, 193
Apple, 42
aqua. *See* water
Arctic National Wildlife Refuge, 142
Ardour Global Alternative Energy Index, 99
Arisaig Partners, 313, 320
Asiainvestor, 154
Asian Association of Independent Research Providers, 318–19
Asian Corporate Governance Association, 318
Asian countries
 about, 301–2
 corruption and human rights, 309
 CSR alignment, 305–6
 CSR reports, 302–5, 310
 disclosure, lack of, 314–15
 environmental laws, 309
 ESG research, funding, 317–18
 ESG risk and integration, 315–17
 exchanges, 314
 hours of work, maximizing, 308
 indices, benchmarking, 319–20
 industrial action, 308
 institutional capacity, 318–19
 labor and environment, 306–8
 labor practices, 307–8
 shareholder value, 309
Asian Sustainability Rating, 314, 320
asset allocation, 385
asset class, 386
As You Sow, 121, 141
at-the-money options, 207
Australia, 304
Australian Council for Overseas Aid, 331, 335
automotive fuel standards, 361

- aviation, 264, 266
- Aviva
 - asset classes, 249–51
 - Corporate Governance and Responsibility policy, 242
 - Engagement Management System, 250
 - Green Tires case study, 246–48
 - history and investment philosophy, 242
 - investment process, 242–43
 - SRI portfolio, 243, 246
 - supply chain, responsible, 248–49
 - sustainability matrix, 243–44
 - Sustainable Future funds, 242
 - Sustainable Stock Exchange initiative, 251
 - thematic analysis, 244–45
 - valuation, 245
- B**
- Baldinger, Michael, 56
- Baldwin, Michael, 36–39, 44–45
- Baldwin Brothers Inc., 35–39, 42–44
- banking sector in Canada, 324
- Bank of Ayudhya, 315
- basic needs of workers, 308
- Baue, Bill, 92
- bauxite mine (Niyamgiri), 251
- benchmarking performance, 5
- Berkwits, Ethan, 112
- best-performing companies, 366
- best practices, 8
- big-box retailers, 31
- biobreeding, 293
- biodiversity, 16, 58, 229
- BioExx Specialty Proteins, 109
- biofuels, 264, 268–69
- Biofuels Corp., 269
- biomass energy, 293
- biomedicines, 293
- biomimetic production, 29
- Bioneers Conference, 36
- biotechnology company, 143
- bisphenol-A (BPA), 141
- Black Economic Empowerment, 348
- BlackRock, 102–3
 - Mid Cap Growth Equity fund, 104
- Black-Scholes model, 207
- black swan, 205, 212
- Blood, David, 433, 439
- Bloomberg
 - about, 235–38, 352
 - Data, 196
 - New Energy Finance, 14, 238
 - World Water Index, 146
- Bloomberg, Michael, 235
- Blue Wolf Capital Management
 - challenges and opportunities, 419
 - labor relations CODA, 421–22
 - result generating, 420–21
- board dynamics, 212
- Bombay Stock Exchange, 359
- Boston Common Asset Management, 316
- BOVESPA, 367, 378
- BP. *See* British Petroleum (BP)
- BPA. *See* bisphenol-A (BPA)
- BQ-MQ rating, 257
- brand management, 236
- British Petroleum (BP)
 - about, 53, 71–73, 81–84, 87–89, 101
 - “Beyond Petroleum” strategy, 83, 89
- Brown, Farnum, 238
- Brown, Neil, 247–48
- Brundtland Commission, 12, 48
- Buffett, Warren, 211–12, 435
- Bugg-Levine, Antony, 436, 438, 440
- building materials companies, 266
- Bursa Malaysia exchange, 314
- Burt’s Bees, 8
- business model, 31
- butterfly effect, 211
- buyout, 404
- C**
- California Public Interest Research Group, 134
- CalPERS, 411
- Calvert Foundation, 92–93
- Calvert Investments
 - Alternative Energy Solution Fund, 95, 98–100
 - “Ambassador Program,” 94
 - “Calvert Letter,” 94
 - ESG criteria, 95
 - Global Water Fund, 99–100
 - High Social Impact Investments, 92
 - history, 91–93
 - large-cap growth fund market, 100–101, 103–4
 - Large Cap Value Fund, 101, 103–4
 - Large Cap Value SAGE Fund, 101
 - methodologies, 96–102

- mid-cap growth fund market, 103
- Mid-Cap Growth Funds, 103–4
- people, 93–96
- performance, 102–5
- SAGE funds, 95–96, 100–102
- Signature funds, 95–98
- small-cap growth fund market, 104
- Small-Cap Growth Funds, 104
- Social Investment Fund, 92
- Solution funds, 95–96, 98–100
- Women's Principles, 94
- World Values International Equity Fund, 92
- Canada
 - banking sector, 324
 - industry, sustainable investment, 325
 - investment scene, 324
 - natural resources, 325–26
 - oil sands of Alberta, 123, 127–30, 143
 - tar sands, 89, 101, 143
 - US trade relationship, 326
- Canon, 31
- cap-and-trade, 185–87, 190
- capital allocation, 235
- carbon
 - capture and storage, 110, 266
 - credits, 187
 - exposure, 236
 - footprint, 89, 178, 194, 397
 - pricing, 387
 - risk, 191–93
- carbon dioxide
 - abatement, 267
 - emission cuts and caps, 224
 - emissions, 2, 7, 89, 183, 185–86, 191–92
 - emissions, China, 278–79
 - emissions, energy-related, 281
- Carbon Disclosure Project
 - about, 75, 176, 238, 316, 325, 353, 371, 408
 - Leadership Index, 174, 376
- Carbon Leaders Index, 377
- Carlyle Group, 405, 408
- Carmax, 98
- cars, plug-in hybrid, 293
- Cathay Pacific Airways, 302, 311
- CDC/Oxfam study, 407
- Celtel/Zain, 409
- Center for Responsible Business, 429
- Centre for Environmental Rights, 351, 370
- Centrica Renewables, 24
- CEO Water Mandate, 75
- CERES, 121
 - Investor Network on Climate Risk, 238
 - principles, 172
- Chaoda Modern Agriculture (CMA), 42
- chemical industry supply and demand, 197
- Chevron, 143
- Chicago Board Options Exchange, 185
- child labor, 219, 307–8, 318–19
- China
 - alternative energy targets, 283
 - carbon dioxide emissions, 278–79
 - CSR, 303
 - emission reduction, 296
 - energy breakdown by source, 287
 - energy consumption, 282
 - energy-efficiency norms, 288–90
 - energy reserves, 284
 - energy trade balance, 285
 - environmental policies, 292–96
 - environmental targets, 282
 - industries, new and emerging, 293
 - policy setting, 290–92
 - power generation, 281–82
 - rapid industrialization, 14
 - resource scarcity, 280–88
 - solar companies, 43
 - suicides in factories, 307
- China-Africa Development Fund, 351
- China Securities Index, 318
- Chipotle Mexican Grill, 43
- Christian Science organizations, 432
- Churchill, Winston, 82
- Ciba-Geigy, 148
- Cisco, 39, 120
- Citigroup, 126
- Citigroup Global Markets, 237
- Citizen Lobby of New Jersey, 134
- City Developments (Singapore), 315
- City of London, 178
- Clayton Act, 193
- clean
 - air, 134
 - coal, 293
 - drinking water, 148, 152–53
 - energy, 14, 108, 139, 146, 186
 - fuels, 16
 - technologies, 139, 279
 - water, 134, 146–47, 156

- Clean Air Act, 82
 - “clean-tech” investment, 324
 - Clean Water Act, 82
 - climate change
 - about, 2, 17–18, 28, 32, 145, 169, 235, 264, 387
 - adaptation, 224–25, 227, 230, 270
 - mitigation, 224, 349
 - policy, 88
 - politics, 281
 - risks, 266
 - Climate Counts’ Company Score Cards, 174
 - Clorox’s Greenworks, 8
 - CME Group Inc., 55
 - coal
 - burning utilities, 87
 - consumption, 285
 - fired power plants, 268, 278
 - mining industry, 318
 - reserves, 284
 - Coca-Cola, 141, 208
 - Code for Desirable Corporate Governance (India), 363
 - Colorado Public Interest Research Group, 134
 - Columbia, 102
 - Commission Guidance Regarding Disclosure Relating to Climate Change*, 176
 - commodity pricing shocks, 286
 - complementary medicines, 16
 - ConAgra, 141
 - Confederation of Indian Industry, 363
 - ConnPIRG Citizen Lobby, 134
 - ConocoPhillips, 143
 - consumer consumption patterns, 16
 - consumer goods, throw-away, 29
 - Cookie Crunch, 32
 - Cooperative Asset Management, 316
 - core business transformation, 4
 - corporate
 - governance, 262–63, 265, 274
 - governance screening, 315
 - governance standards, 361
 - liability and risk, 15
 - performance, 21, 217
 - responsibility, 263, 265, 274
 - risk, 270, 273, 275
 - social responsibility, 159
 - transparency, 142
 - “Corporate Environmental Management and Credit Risk,” 396
 - Corporate Governance Watch, 309
 - corruption, 31, 309, 329, 335, 338
 - Corruption Perceptions Index, 350
 - Corston-Smith Asset Management, 313
 - cost accounting, 5
 - cost green index, 5
 - cost per watt economics, 292
 - Coulson, Jennifer, 126, 129
 - Cranswick plc, 11, 22–23
 - Crawford Chemicals, 181–83
 - Crawford’s carbon risk, 194
 - credit default swaps, 106
 - credit ratings, 396
 - crop damage, 286
 - CSRHUB’s Company Ratings, 174
 - customer satisfaction, 30
 - cycle power plants, 266
- D**
- Danone, 153
 - D’Arcy, William, 81
 - DAXglobal Alternative Energy Index, 369
 - Deane, Michael, 149
 - debt obligations, collateralized, 212
 - decarbonizing economies, 291
 - de Cordova, Michelle, 128
 - Deepwater Horizon oil spill, 53, 71, 81, 320, 429
 - Deere and Company, 120
 - Del Monte, 141
 - demographic change, 277
 - “Demystifying Responsible Investment Performance” (Mercer/UNEP), 394
 - Denbury Resources, 110
 - depreciation of principal, 207
 - de Roett, Chris, 35, 42–43
 - desalination, 145
 - Desjardins Group (Quebec), 131, 324
 - development finance institutions, 352
 - DeWine, Mike, 435, 440
 - diabetes, type 2, 32
 - discrimination against women, 219
 - distressed capital, 404
 - DJSI. *See* Dow Jones World Sustainability Index (DJSI)
 - dMASS, 424–28
 - Dodge and Cox, 102
 - Domini 400 Social Index, 83, 368

- Domini Asset Management, 37
- Domini Social Investments
 - about, 81, 83
 - BP assessment, 88–90
 - integrated business model alignment, 87–90
 - investment philosophy, 84–85
 - key performance indicator, 85–87
 - stakeholder relations, 85
- “Dow 30” index, 366
- Dow Chemical, 101
 - Sustainability Goals, 4, 6
- Dow Jones
 - about, 55, 206
 - Dividend companies, 136
 - Global Total Stock Market Index, 67, 69
 - Indexes, 54, 56
 - Industrial Average, 366
 - Industrials, 37
 - World 80 Index, 70
 - World Index, 67, 69–72
 - World Sustainability Index (DJSI), 43, 53, 55, 66–67, 367, 374
 - World Sustainability Leaders, 69
- Duke Energy, 96
- DuPont’s “zero waste” commitment, 4
- “Dying for Coal” report, 318
- E**
- earnings before interest, taxes, depreciation, and amortization (EBITDA), 190, 246
- earnings before interest and taxes (EBIT), 249
- Earth Summit, 17
- Ease of Doing Business Index, 376
- eBay, 31
- ecofootprint, 4
- ecofriendly cleaning products, 8
- ecological degradation, 116
- Ecological Footprint, 117, 121
- ecological footprints of mining, oil, and gas industries, 118
- ecological risks, 119
- ecology, 11–12
- ecomagination marketing, 8
- “The Economics of Ecosystems and Biodiversity,” 226
- ecopremium, 8
- ecosystem services, 226–27
- EcoValuScreen, 408
- Edmans, Alex, 433, 439
- efficient-market hypothesis, 204
- EIRIS, 373
- EISAL, 313
- electricity prices, 267
- electricity sector, 268, 270
- Electronic Industry Citizenship Coalition, 307
- Emerging Market Disclosure Project, 316
- emerging markets, global, 411
- Emerging Markets Private Equity Association, 411
- emissions
 - allocations under EU ETS, 267
 - inventories, 267
 - management strategies, 267
 - reduction, 14
- Emissions Trading Scheme, 177–78, 188–89, 263
- employee engagement, 4
- Employee Retirement Income Security Act, 438
- employee whistleblowers, 310
- Encana, 130
- Endangered Wildlife Trust, 351, 370
- end-of-life product disposal, 6
- energy
 - consumption, world, 280
 - consumption per unit of GDP, 288
 - efficiency, 14
 - efficiency control systems, 16
 - efficiency enforcement measures, 288
 - efficient products, 293
 - food chain, global, 286
 - management software, 293
 - non-fossil fuel, 282, 284, 286
 - resource security, 14
 - security concerns, domestic, 292
 - technologies, alternative, 118
- energy-saving devices, 120
- environment, social, and governance (ESG)
 - about, 174, 212–14, 217, 236, 241, 261, 430
 - indexes, country-level, 375–76
 - integration, 271, 273
 - investment performance, 395–96
 - performance, 273
 - performance reports, 396–97
 - research, 272
 - risk, 49, 315, 320

- environment, social, and governance (ESG)
 - (continued)*
 - screening, investor-lead, 319
 - SRI techniques, 394–95
- environmental
 - control systems, 13
 - cost of pollution, 187
 - damage, 286
 - degradation, 309
 - design and engineering, 30
 - dilemma, 182–83
 - factors, 58, 68
 - footprint, 408
 - impacts and risks, 49
 - legislation, progressive, 119
 - management systems, 88
 - performance, 424
 - performance, monetization of, 172
 - performance metrics, 169–70, 172, 174, 178–79
 - protection, 293
 - regulation, 261
 - risk, 119, 182, 192
 - risks and liabilities, 119
 - services, 15
 - stakeholders, 8
 - strategies, 6
 - technologies, 101
- Environmental Defense Fund, 408, 410, 417
- Environmental Financial Products, 67
- environmentalists, 431
- environmentally-sustainable returns, 144
- environmental metrics
 - accounting standards, 176–77
 - adaptability and innovation, organizational, 171
 - assets, performance of, 170
 - branding and reputation, 171
 - data and metrics, 172
 - drivers of value, 171
 - investment performance, 171–72
 - operational efficiency, 171
 - public disclosure, 173–74
 - research/databases, third-party, 174–75
 - risks and opportunities, indirect, 177–78
 - role of companies, 175
 - sustainable investment, 170–72
- Environmental Monitoring Group, 351, 370
- Environmental Protection Agency, 2
- Envisager Ltd., 149
- EOG Resources, Inc., 142
- equity beta, 386–87
- equity funds, socially directed, 28
- equity movements prediction, 208
- Ertsberg mine (West Papua), 334
- Esty, Dan, 1
- Esty Environmental Partners, 380
- ethical criteria, 13
- ethical investor, 21
- ethical or socially responsible funds, 241
- European electricity utilities, 266
- European Union
 - about, 188–89
 - Emissions Trading Scheme, 177–78
 - water infrastructure, 148
- EV/EBITDA, 246
- expert group, 228
- externalities, 211
- extraction-related stocks, 432
- Extractive Industries Transparency Initiative, 250, 352
- extrafinancial mission, 392
- extrajudicial killings, 338
- Exxon Mobil, 96, 143
- F
- FBOVESPA Corporate Sustainability Index, 369
- feed-in-tariff regimes, 292
- fertilizers and pesticides, synthetic, 16
- Fidelity, 102
- fiduciary duty, 212–13, 314, 433–35
- finance innovation, 228
- financial
 - accounting, traditional, 236
 - criteria, traditional, 50
 - performance, 432–33
 - risk, 430, 434
- Financial Crisis Inquiry Commission, 206
- Finch Paper, 419–22
- First Solar, 32, 109
- First State Investments, 316
- First Variable Rate Fund for Government Income, 91
- fishing industries, commercial, 125
- fixed-income investment, 263, 265
- fleet logistics, 6
- Flowserve, 154

- food chain, 277
- food-related crises, 16
- footprint
 - carbon, 89, 178, 194, 397
 - environmental, 408
 - water, 130
- Ford Motor Company, 8, 32, 39, 42
- forestry, 316, 318
- Forest Stewardship Council, 418
- Fortune* 100 Best Companies, 395–96, 433
- Forzani Group Ltd., 129–30
- fossil fuel energy, traditional, 139
- fossil fuels, carbon-intensive, 28, 327
- 401(k), 94
- four principles, 29–30
- fracking (natural gas), 142
- fractals, 206
- Franklin Templeton, 102
- free cash flow, 246
- Freeman, Bennett, 92
- Freeport-Indonesia, 334–37, 339
- Freeport-McMoRan Copper and Gold, 333–34
- fresh water, 145–47, 149–50, 152
- FTSE4Good Index Series, 374–75
- FTSE Group/Financial Times, 369
- FTSE KLD Select Social Index, 431
- FTSE US 500 Index, 431
- Fukushima Daiichi nuclear plant (Japan), 283
- Fund for the Public Interest, 134
- fund managers, 30
- fund performance, 24–25
- Future Fund (Australia), 342
- G**
- gambling, 31, 86, 119, 135, 319, 432
- Gap, 98
- gap between rich and poor, 306
- gas-fired power generation, 278
- gender equality, 350
- General Electric, 101
 - Ecomagination campaign, 21
 - financial services, 8
- generalized auto-regressive conditional heteroskedasticity, 203
- General Mills, 130, 141
- General Motors, 7, 50
- Generation Investment Management
 - about, 316, 318, 433
 - global equities investment philosophy, 254–55
 - Global Equity fund, 254, 258
 - investment decision, 257–58
 - investment process, 255–57
 - pay, making long term, 253–54
 - portfolio construction, 258
- Genworth Financial, 98
- geographic risk, 219
- GLG Partners, 277
- Global 100 Most Sustainable Corporations, 174
- Global Climate 100, 367
- Global Compact (UN), 172, 250, 371
- Global Footprint Network, 115
- Global Reporting Initiative, 82, 173, 237, 310, 362, 371
- Global Venture Capital and Private Equity Country Attractiveness Index, 347
- global warming, 224
- Global Water Fund, 99–100
- Global Witness, 338
- Goldman Sachs, 45, 396–97
- gold mining, 139
- Goldstein, John, 436, 438, 440
- good employer reputation, 218
- Goodguide's product ratings, 175
- Google, 31, 116, 136
- Gore, Al, 253
- governance
 - good, 16–17
 - social and corporate, 135, 144
- governance risk, 50
- governance risk, true, 50
- government intervention, 183
- grain production, 283
- Grasberg mine (West Papua), 334–36
- Gray, Erin, 137
- green
 - agriculture, 293
 - buildings, 128
 - companies, great, 21–24
 - consumers, 19
 - investing, 107
 - investment themes, 108
 - marketing, 83
 - solutions, 107–8
 - transport, 15–16
 - transportation, 108
- GreenBiz, 175

- Green Century Capital Management
background, 134
Green Century Balanced Fund, 133–40
Green Century Equity Fund, 133–36
shareholder advocacy, 141–42
greenhouse gas emissions
about, 2, 6, 15, 127, 152, 176–78, 183,
267, 272–73
China, 279
in U.S., 191
Greenhouse Gas Protocol, 176, 178
Greenpeace, 72
Green Thinking, 23
greenwashing, 8
growth capital, 404
GS SUSTAIN, 397
Guardian Capital, 130
Guffey Jr., John G., 91
- H**
Hain Celestial, 141
Halliburton, 53, 72, 74, 77
halo effect, 365
Hang Seng Corporate Sustainability Indices,
319
Hanwha Corp., 320
Hawken, Paul, 27, 36–41, 45
Hawken's principles, 39
Hawley, James P., 434, 439
hazardous waste generation, 31
health and safety standards, 307, 318
healthcare, 350, 360
allopathic, 28
hedge fund, sustainability-focused, 277
Henningsen, Carsten, 116, 118–20
herd mentality, 215
Hewlett Packard, 98
high-carbon companies, 134
high-efficiency appliances, 8
high-voltage inverters, 293
Highwater Global Fund, 27, 32–33, 35,
37–38, 44–45
Highwater Research, 27, 37
assessment, qualification, 40–41
assessment, scoring, 41–42
investment process, 42–43
methodology, 40–42
portfolio profile, 43–44
HIV/AIDS, 128, 161, 335, 350
H.J. Heinz, 141
Hong Kong, 304
Horsehead Holdings, 108–9
hours worked, maximum, 307–8
housing bubble, 213
housing prices, 205
HSBC, 47, 49
HSBC climate change index, 49
human capital, 236
human capital management, 270
human rights
about, 309, 314, 334
abuse, 308
record, 88, 123, 129, 212
standards, 119
violations, 31, 337–38
Hundred Group, 21
Husky Energy, 130
HWR. *See* Highwater Research (HWR)
hybrid batteries, 4
hydro power, 283
- I**
Iberdrola Renovables, 99
IBM, 6, 111, 136
Idex Technologies, 153
IFC-SinCo Sustainable Investment, 353
Ile de France, 228
illegal subcontracting, 219
impact, 435–36
indexes
architecture, 369–72
company reactions to, 378–79
construction, 379–80
criteria, right, 370
ESG, country-level, 375–76
lessons form sustainability, 373–78
ranking as an, 369
research quality and independence,
372–73
stakeholders, securing, 370–72
thematic, 376–78
what and why of, 366–68
India
ESG factors and extrafinancial disclosures,
361–63
rapid industrialization, 14
sustainability issues, 359–61
sustainable investing market
opportunities, 361–62
Indian Companies Act, 361

- Indian Responsible Investment Research Association, 319
- Indice de Sustentabilidade Empresarial, 376
- Indonesia, 304
- industrial agriculture, 31
- Industrial Classification Benchmark, 67
- Inflection Point Capital Management, 179
 - corporate sustainability model, 162–63
 - five-factor model, 163
 - investment process, 164–67
 - portfolio construction, 163–64
 - strategically aware investing, 161–62
- information technology (IT) revolution, 3
- information technology sector, 58
- innovation capacity, 236
- Innovest, 159
- Insight Investment
 - about, 262–63
 - biofuels, 268–69
 - case study reflections, 270–74
 - climate change case study, 266
 - ESG issues, investment research on, 263–66
 - European electricity utilities, 267–68
 - institutional investors, 241
 - integrated gasification combined cycle power plants, 266
- Intel, 136
- Inter-American Development Bank, 226
- Inter-American Institute for Cooperation, 226
- Interface carpet company, 30
- Intergovernmental Panel on Climate Change, 183
- internal rates of return, 292
- International Energy Agency, 14
- International Finance Corporation, 352, 362, 406
- International Limited Partners Association, 410
- International Monetary Fund, 347
- International Research Institute for Climate and Society, 225
- investment
 - about, 27–28
 - opportunities, finding, 38–43
 - portfolio risk, 169
 - theme weighting, 39
- investor, high-net-worth, 46
- investor insight, 236
- irrigation for agriculture, 153
- Istanbul Stock Exchange, 371
- IT megatrends, 5, 8
- Ivy League endowments, 410
- J
 - The James Capel Green Book*, 22
 - Jantzi-Sustainalytics, 325
 - Janus, 102
 - Japan, 303
 - Johannesburg Securities Exchange, 348, 350, 367
 - Johnson, Neil, 57
 - Johnson & Johnson, 136
 - JSE SRI Index, 370–71, 373, 375–76
 - Jupiter Ecology Fund, 11–25
- K
 - Kehati Biodiversity Index (Indonesia), 318
 - Kellogg, 32, 130
 - key decision makers, 214
 - key performance indicators, 87
 - Kiernan, Matthew, 159
 - Kimberly Clark, 72
 - Kinder, Peter, 83, 430
 - King III Code of Corporate Governance, 350
 - KLD 400 Social Index, 49, 135, 373–74
 - Kleiner Perkins, 403
 - Kodak, 7
 - Korea, 304
 - Korean Social Investment Forum, 319
 - Kraft, 141
 - Kroger, 141
 - Krumsiek, Barbara, 93–94, 106
 - Kurtz, Lloyd, 429, 438
 - Kyoto Protocol, 184, 187, 280, 291
 - targets, 268
- L
 - labor
 - practices, 307–8
 - rights risk, 217
 - standards, 119, 130
 - Langbein, John, 433–34, 439
 - large-cap companies, 31
 - Le Chateau, 130
 - LED televisions, 110
 - LEED-certified green building, 121
 - Legg Mason, 102–3
 - leveraged buyout, 404

- Lèvy distribution, 206
life-cycle, 120, 226–27
life of the investment, 227
Lipper, 154
Lipper Balanced Index, 139
living standards, 284
Lloyds Banking Group, 262
London Stock Exchange, 7–8
low-emission production technology, 107
Lydenberg, Steve, 83
- M**
MacKinnon, Lisa, 137
macro drivers, 38
macroeconomic forces, 38
Madras Aluminium Co. Ltd., 319
Maersk (Danish shipping), 7
malaria, 161
Malaysia, 303
management quality, 50
mandate allocation, 385
Mandelbrot, Benoit, 206
Man Group, 277
Mao, Chairman, 167
marine ecology, 318
marine energy, 266
Marketplace (CBC), 124
Massachusetts Public Interest Research Group, 134
mass transit transportation, 293
McDonalds, 136
McKesson, 98
MCSI World Index, 43
Median Peer Group, 397
megatrends, 1–3
Menzli, Pierin, 56
Merck, 136
Merlin Ecology fund, 17
metros, 283
miasmatic pollution, 286
Michelin, 247–48
micro-loan fund, 125
Microsoft, 136
military material, 319
military weapons, 135
Millennium Development Goals, 346
Mineral Leasing Act, 82
minimum wages, 307–8
mining sector, 58
Mitsubishi UFG, 302
mobile phones, 354
modern portfolio theory, 204–5
Montgomery, John, 98
MOPIRG Citizen Organization, 134
Morgan Stanley Capital International Indexes, 369
Morningstar, 154
Moskowitz Prize, 395
motivation, mapping techniques to, 436–37
motor vehicles, 266
MSCI All Country World Frontier Market index, 347
MSCI All Country World Index, 165, 397
MSCI Emerging Markets Index, 367
MSCI ESG Research, 13
MSCI South Africa Index, 348
MSCI USA ESG Select Social Index, 431
MSCI World Developed index, 69
MSCI World Equity Index, 121
MSCI World Index, 35, 66, 70, 154–55, 254
Myanmar Oil and Gas, 316
myth of underperformance, 213
- N**
Nabisco, 402
Naisbitt, John, 1–2
Nalco Holdings, 109
Nasdaq OMX Clean Edge Global Wind Energy Index, 369
National Action Plan on Climate Change (India), 360–61
National Association of Water Companies, 149
National Environmental Protection Act, 82
National Stock Exchange, 359–60
Natural Capital Institute, 27, 30, 37
Natural Capitalism: Creating the Next Industrial Revolution, 27–28, 32, 36
natural food, 16
natural gas extraction, 142
natural resource depletion, 2, 36
shortage, 44
Natural Step, 36, 117, 1145
nature, reinvestment in, 29
Neste Oil (Finland), 269
Nestlé, 141, 153
Newmont Mining, 102

- Newsweek* Green Rankings, 174, 377, 395–96
nicotine products, 67
nitrogen oxides, 283
'No Dirty Gold' initiative, 139
normal distribution, 203, 205
Northwest and Ethical Investments LP, 123
 Acuity Funds, 130
 corporate engagement program, 128–30
 Corporate Sustainability Scorecard, 126
 Ethical Balanced Fund, 130–31
 Ethical Canadian Index, 130
 Ethical Special Equity, 131
 history, 124
 investment approach, 126–28
 key products and performance, 130–31
 merger with Northwest Funds, 131–32
 new direction, 124–26
Norwegian Ministry of Finance, 430
Norwegian Pension Fund, 319
Novartis, 116
Novo Nordisk, 33, 116
Novozymes, 269
NRG Energy, 109
nuclear energy, 119
nuclear power, 31, 86–87, 126, 135, 266, 283
- O**
Occupational Safety and Health Administration, 89
Oekom Corporate Ratings, 174
oil
 drilling in Arctic, 142
 and gas sector, 73
 production decline, 28
 sands of Alberta, 123, 127–30, 143
Ok Tedi environmental disaster, 332
Ontario's Feed-In-Tariff, 327
open-pit mining, 334
organic foods, 13, 22
organic market (U.K.), 22
organic sales (U.K.), 23
Organization for Economic Cooperation and Development, 326
out-of-the-money put options, 207
Overseas Private Investment Commission, 331
overtime remuneration laws, 307
Owen, Dave, 149
- P**
palm oil, 316, 318
Pan-Africa Infrastructure Development Fund, 347
paperless settlement system, 7
Parnassus Workplace Fund, 395
passenger trains, 283
peak oil, 14
Peers, Jens, 99–100
pension funds, 215, 217
pension plans, employer-sponsored, 324
PepsiCo, 136
pesticide residues on food, 16
Petro-Canada, 127
philanthropic models, 436
philanthropy, 436
Philippines, 304
Philips, 72
Pictet Asset Management
 companies not invested in, 153–55
 decision makers, 148–49
 investments, 151–53
 methodology, 149–50
 metrics, 150–51
Pictet Water Fund, 146, 152, 154–55
Pigouvian tax, 187
PIRGIM Public Interest Lobby, 134
pollution control technology, 15
pollution-linked deaths, 286
Pollution Prevention Pays, 3–4
polychlorinated biphenyls, 101
Popper, Karl, 205
pork business, 22
portfolio
 environmental groups', 436
 liquidity costs and risking market disruption, 434
 risk, 169, 434
 screening, 430, 434
 values-based investing reduce problems with, 431
Portfolio 21 Investments, 115
 forward-looking companies, 119–20
 history, 116
 results, 120–21
 theory of sustainability and change, 117–19
Portner, Hans Peter, 147–48, 151–52, 155
Posner, Richard A., 433–34, 439
The Poverty of Historicism (Popper), 205

- power generation, renewable, 281
- precious metals, 44
- PRI, 316, 371
- PRI Academic Network, 47
- PricewaterhouseCoopers, 185
- private equity
 - about, 401
 - allocation increase, 410–11
 - asset class, new SI activity in, 410
 - best practices and case studies, 408–9
 - development finance institutions and, 405–6
 - emerging markets focus, 411–12
 - ESG methods, specific, 406–708
 - firms, 50
 - future sustainability themes, 412–13
 - listed equity investors *vs.*, 409
 - as niche of general asset management, 402–4
 - sustainability investing, 404–5
- Procter & Gamble, 136
- Proglione, Henri, 149, 152
- prospective methodologies, 213
- Prosperity Without Growth* (Jackson), 423
- Provincial Credit Unions Centrals, 131
- proxy voting guidelines, 126
- Prudhoe Bay oil disaster, 88
- psychological barriers, 214
- PT Freeport Indonesia, 334
- Public Interest Network, 134
- pyrite, 330
- Q**
- Qualcomm, 136
- R**
- radical resource productivity, 28–29
- Ramsey, Laurent, 154
- rare earth metals, 120
- raw materials, 219
- real estate, energy efficiency in, 318
- recycled materials, 107
- recycling, 13, 18, 29, 293, 361
- Rees, William, 117
- Registration, Evaluation and Authorization
 - of Chemicals Regulation, 263
- regulatory bodies, 88, 267
- regulatory compliance, 185, 195
- Reliance Industries, 302, 311
- renewable energy, 13, 100–101, 152, 224, 268, 278
- renewable portfolio standard, 291
- RepRisk, 60, 317, 319
- reputational risks, 302
- research and development, 228–29
- resource
 - depletion, 387
 - scarcity, 212, 277, 288, 296
 - sector, 123
- responsible investing, 313, 383
- responsible investment, holistic, 274
- Responsible Investment Academy (Australia), 238, 319
- Responsible Research, 313, 316–18, 320
- Reto Ringger, 75–76
- return maximization, 213
- revenue transparency provision, 101
- Review on the Economics of Climate Change* (Stern), 172
- Reynolds, George, 81
- Reynolds American Inc., 67
- Ringger, Reto, 54–55, 75–77
- Rio Tinto (West Papua)
 - about, 329–30
 - background, 331–32
 - black listed, 330–31
 - business operations, 336–42
 - Ok Tedi environmental disaster, 332
 - ramifications, 334–36
 - “severe environmental damage,” 330
 - West Papua, 332–33
- The Rise of Fiduciary Capitalism* (Hawley and Williams), 434
- risk
 - adjusted returns, 366
 - factor, 386
 - indicators, 263
 - management, 218–20
 - modeling, 5
- riverine methods of waste disposal, 335, 337, 340
- Robins, Nick, 47
- Robinson, Jack, 107
- Roche, 116
- RockPort Capital, 403
- Royal Dutch Shell, 72–73, 102
- Rubicon Technologies, 110
- Rubin, Robert, 212
- rule of law, 307

- Ruoff, Larisa, 142
Rural Planning Services Ltd., 23–24
Russell 1000 Index, 85
Russell 2000 Index, 102
Russell 3000 Index, 395
Russell Mid Cap Growth Index, 102
- S
- Sabesp, 153
safety, workplace and community, 88
safety legislation, 15
Safeway, 141
SAM. *See* Sustainable Asset Management (SAM)
Sandor, Richard, 67
sanitation, 360
Sarbanes-Oxley Act, 435
Saskatchewan's Potash Inc., 326
Satyam Computers episode, 361
scenario planning, 5
Schmidli, Denis, 148–49, 156
Schneider Electric, 120
Schnitzer Steel, 109
Scott, Lee, 5
Scottish Power, 24
Securities and Exchange Commission, 2, 143, 176, 339
 Commission Guidance Regarding Disclosure Relating to Climate Change, 176
Seeking Safer Packaging, 141
self-fulfilling cycles, 208
Self Help Credit Union, 137
Severn Trent PLC, 96
shareholder value, long-term, 21
Shenhua Energy, 311
Sherman, Robert, 72
Shoppers Drug Mart, 121
Shorebank Pacific's EcoDeposits, 137
Siam City Bank, 315
Siemens, 73
Siemens Sustainability Office, 72
Silby, D. Wayne, 91–92
SinCo/RisCura 2011 study, 410
Singapore, 304–5
Singapore Technologies Engineering, 320
SingTel, 315
“sin” stocks, 57
Six Sigma methodologies, 5
slavery, modern-day, 219
small growing businesses, 403
smart-grid systems, 118, 293
S-Network Global Water Price Index, 99
social and environmental
 commitment, 32
 profiles, 126
 values, 40
social housing construction, 283
Social Index, risk-managed, 431
social inequity, 28
social investment funds, 35
Social Investment Organization, 124
social investors, Kinder's taxonomy, 430
socially responsible investment (SRI), 12, 19–20, 37, 45, 73, 108, 262, 393, 429
social metrics, assessing, 218
social performance, 217–18, 220
social responsibility reports, corporate, 315
social risks and opportunities, 49–50
Social Stock Exchange, 50
solar
 electricity, 32
 power, 279, 282, 292–93
 roof shingles, 4
 subsidies, 110
 technologies, 264
 voltaic panel manufacturer, 317
solutions economy, 29
South Africa, 346–53
South Africa Government Employees Pension Fund, 349
S&P IFCI Carbon Efficient Index, 377–78
SRI. *See* socially responsible investment (SRI)
SSL International, 42
stakeholder groups, 85
Standard & Poor's 500, 85, 121, 136, 140, 395, 397
Standard & Poor's Indexes, 369
Star Trek cereals, 32
Stephenson, Christie, 126
Sterlite Industries, 319
Stern. Lord, 172, 235
subprime mortgage-backed securities, 106
sub-Saharan Africa, 346, 406–7
sub-Saharan Africa PEGP, 407
Suez Environment, 152
suicides in factories, 307
sulfur dioxide, 186, 283
Suncor, 127
Suntech (China), 317

- Supervalu, 141
 - supplier choice, 219–20
 - supply and demand balances, 277
 - supply chains, 171, 178, 218, 248–49
 - sustainability
 - competitiveness of companies, 2
 - execution, getting it right, 4–8
 - factors, five, 49–50
 - indexes, 365–67, 373, 375, 379, 381
 - innovation, 222, 226, 228–30
 - innovation investment, 229
 - mandates, 389, 391
 - measuring, starting point for, 48–49
 - megatrend, as emerging, 1–3
 - performance system, 6–8
 - as risk factor, 48
 - scorecards, 8
 - value, methods to assess, 5
 - vision, getting it right, 3–4
 - sustainability performance system
 - defenders, 7
 - dreamers, 7–8
 - losers, 6–7
 - winners, 8
 - Sustainability Research and Engagement, 241
 - sustainable
 - capitalism, 258
 - economic development, 226
 - investing, 159, 211–215, 391
 - investment, 154, 170, 175
 - investment flows and pricing, 387
 - investment rent capture, 387
 - living, 16
 - practices, 45
 - Sustainable Asset Management (SAM)
 - about, 53–54
 - “Alpha from Sustainability,” 63
 - assessment questionnaire, 58–60
 - companies, monitoring, 71–73
 - Corporate Sustainability Assessment, 56, 60, 62, 65, 67–68, 74
 - Dow Jones Sustainability World Index, 66–67
 - Equities Fund, 55
 - evaluation metrics, 59
 - Fair Value Model, 65
 - Global Active Portfolio, 64
 - global active strategy, 61, 63
 - index construction/performance, 67–71
 - investing practice, sustainable, 56–57
 - investment universe, 63–64
 - media and stakeholder analysis, 60
 - origins and evolution, 54–56
 - performance, 63
 - portfolio construction and risk management, 66
 - portfolio management, 62–64
 - research methodology, 57–58
 - roles of analysts and portfolio managers, 62–63
 - scoring and valuation, 60–61
 - strategy, global active, 61
 - sustainability advocacy and company engagement, 74–76
 - Sustainability Assessment Score, 72
 - sustainability scores and systemic risk, 73–74
 - Sustainable European Equities Fund, 55
 - Sustainable Healthy Living Fund, 377
 - Sustainable Forestry Initiative, 418
 - sustainable investment framework
 - allocations, integrated *vs.* targeted, 385–86
 - monitoring framework, 389–91
 - risk and return, quantitative methods, 388–89
 - risk factors and ESF Beta, 386–88
 - values and beliefs, 384–85
 - Sustainable Stock Exchanges, 132, 313–14
 - SUV fuel economy, 8
 - Swedish DFI Swedfund, 406
 - Swedish national pension funds, 131
 - Swiss Re, 54–55
- T
- Talisman, 130
 - “tar sands” oil exploration, 101, 143
 - Taseko Mines, 130
 - Tata Power (India), 317
 - taxonomy of social investors, 430
 - tax regimes, 306
 - Tedlow, Richard, 215
 - Telefonica, 116
 - Tesla, 403
 - testing, bioanalytical and safety, 16
 - Texaco, 148
 - Texas City Refinery disaster, 89, 266
 - Thailand, 305
 - thermal plant closures, 286
 - 3M, 5

- timber, 146
- tipping points, 221
- TNS, 121
- tobacco
 - about, 86, 119, 126, 135, 431
 - litigation, 272
 - stocks, 437
- Toronto Stock Exchange, 326
- torture, 338
- Trans-Alaska Pipeline Authorization Act, 82
- Transparency International Corruption Perceptions Index, 376
- trend spotting, 5
- Trillium Asset Management Corporation, 137–39, 238
- T. Rowe Price
 - about, 102, 104
 - Blue Chip Growth fund, 104–5
 - Small Cap Stock fund, 104
- Trucost
 - about, 140, 172, 192, 194, 397
 - Carbon Intensity by sector, 195
- Trunow, Natalie, 105
- U
- unethical conduct, 31
- Unilever, 4, 141
- United Kingdom (UK)
 - Companies Act, 302–3
 - Social Investment Forum, 17
- United Nations (UN), 16, 146, 160
 - Academic Network Conference, 398
 - Climate Change Conference
 - Communication on Progress (COP), 349
 - Climate Change Summit, 280, 290–91
 - Committee against Torture, 331
 - Environmental Programme's Finance Initiative, 394, 434
 - Environment Programme, 214, 438
 - Global Compact, 172, 238, 250, 371
 - International Labour Organization
 - conventions, 308
 - Principles for Responsible Investing, 160, 237–38, 251, 263, 313, 325, 390, 434–35
 - staff pension funds, 160
- United States (U.S.)
 - Chamber of Commerce, 142
 - children's health crisis, 32
 - debt levels, 208
 - Department of Labor, 94
 - energy consumption, 291
 - nonfossil energy mix, 291
 - Private Equity Council, 410
 - renewable portfolio standard, 291
 - Securities and Exchange Commission, 2, 101, 143, 176, 337, 339
 - Social Investment Forum, 432
 - United Steelworkers, 419
 - Universal Declaration of Human Rights, 308
 - Universal Ownership: Why Environmental Externalities Matter to Institutional Investors* (UN), 172, 434
- urbanization, 277, 284, 360
- urban waste management, 361
- V
- Valmont Technologies, 153
- value(s)
 - about, 430–32
 - based indexes, 431
 - based investors, 431
 - creation activities, 8
 - driver, 214, 272
 - long-term, 31
- VanCity, 124, 324
- VantagePoint, 403
- Vedanta, 249–51
- vehicle emissions, 16
- vehicles, new energy, 293
- venture capital, 402–3, 405
- venture capitalists, 437
- Veolia Environment, 149, 152
- Verité, 217–19
- Vestas Wind Systems, 11
- Vivo Participacoes (Brazil), 43
- volatility of a security, 203
- volatility smile, 207
- W
- Walker, Robert, 124–26, 128–29, 131
- Wal-Mart Stores Inc., 51, 96, 101, 178
 - Sustainability 360, 5–6
- Washington State Public Interest Research Group, 134
- waste management, 14–15
- wastewater, 152
 - disposal, 151
 - management, 152, 229
 - treatment, 150, 152

- water
 - about, 145–55
 - clean, 146–47, 156
 - degradation, 16
 - drinking, 360
 - footprints, 130
 - fresh, 145–47, 149–50, 152
 - investments, 148
 - management, 14, 145, 148, 150
 - market, 146, 148–49, 151, 154
 - pollution, 318
 - privatization, 150
 - purification processes, 152
 - quality, 327
 - scarcity, 318
 - shortage, 28
 - sustainability, 147
 - systems, municipal, 149–50
 - toxic, 29
 - treatment systems, 153
 - treatment technologies, 13
 - utility company, 151
- wealth, 424–28
- weapons, 86, 119, 126, 135, 319–20, 432
- weather-related risks, 266
- “White Paper on Corporate Governance in Taiwan” (ACGA), 318
- Whole Earth Discipline* (Brand), 423
- Whole Foods, 121
- Wiener Börse VÖNIX Sustainability Index, 369
- willful blindness, 214
- Williams, Andrew, 434, 439
- Williams Companies Inc., 143
- wind farm, 99
- wind power, 279, 283, 292–93
- Winslow Management Company, 107–13
 - Green Growth Fund, 108–10, 112
 - Green Large Cap strategy, 108, 110–12
 - investment process, 108–9
 - performance considerations, 112
 - selection criteria, 111
- Wipro, 315
- World Bank, 160
 - Green Bonds, 137
 - staff pension funds, 160
- World Business Council for Sustainable Development, 371
- World Summit on Sustainable Development, 352
- World Wildlife Fund, 187, 371
- Z
- zero
 - alpha, 431
 - volatility, 436
 - waste, 4
- Zevin, Robert, 9

