Index

Abadie, André, 95
Abatement, 108, 245
ABB as WaveRider, 25
ABN AMRO Real:
  Carbon Disclosure Project, 93, 119
  Equator Principles, 95, 289
  portfolio of loans, 289–290
  on poverty, 17
  risk assessment tools, 96
Academia, 81–82, 97, 186, 187, 264, 276, 288
Acid rain, 53, 75
Accountability, 17–18, 208, 232, 270
Action taking, 260–280
  big issues, 261–267
  long-term, 260, 274–279
  medium-term, 260, 269–274
  short-term, 260, 261–269
Adobe Systems and water conservation, 106
AEP. See American Electric Power
AIG, 93
Air pollution:
  abatement, 108
  AUDIO analysis examples, 63
  business consequences, 54
  European Commission on, 53
  indoor, 53–54
  mercury, 51
  NOx, 37, 175
  overview, 53–54
  particulates, 175
  permits, 22
  SOx, 53, 175
  as top ten problem, 34, 285
  VOCs, 150–151, 175
Airbus, 158, 139
Albertsons supermarkets, 190
Index

Alcan:
  community support and, 89–90
data warehouse, 291
EHS First, 230
Life Cycle Assessment, 187
  partnering with experts, 187
pollution control, 111, 291, 300
potlining, 300
reason to go green, 164
stakeholder relations, 89–90, 255
stretch goals, 209, 210
training, 230, 232
  as WaveRider, 25
Alcoa, 20, 25, 191
  as WaveRider, 25
Alternative energy companies as hot investments, 42
Aluminum, 56. See also Alcan
Amanco. See GrupoNueva
AMD:
  executive stewardship, 219
  Global Climate Protection Plan, 119
  laws and design changes, 74
  renewable energy, 42
  “wet processing,” 106
American Electric Power (AEP), 20,
  226
American Electronics Association,
  74
American Enterprise Institute, 81
America’s Marketplace Recycles Award, 190
Anderson, Ray, 110–111, 132, 135,
  228
Andersson, Erik, 114
Angelides, Phil, 92–93
Annual reports, 228
Antron, 129
Apollo 13 Principle, 147, 158–160,
  249, 253, 290
Arroyo, Gloria, 78
Arthur Andersen, 12
Asbestos, 50, 79
Aspen Skiing Company, 70
Asset Recovery System, of Dell, 124–125
AstraZeneca as WaveRider, 25
Athabasca Oil Sands. See Shell Audiences:
  external, 225–228
  internal, 228–232
AUDIO (Aspects, Upstream,
  Downstream, Issues, and Opportunities) analysis:
  clarifying focus with, 237
  explaining, 61–64
  external communications and, 271
  framework, 262
  identifying environmental risk and, 118, 181, 191
  issue spotting through, 61–64,
    261–264, 291
  Life Cycle Assessment and, 263–264
  sample using big-box retailer, 62–63
  scanning exercise and, 273
  short-term action for issue spotting, 261–264
  starting, 262
  as starting point to build corporate environmental strategy, 64
Auditing. See supply chain
Automation and retrofits, 108–110
Aveda, 139
Avon, 94
Award programs, 77, 113, 190,
  201, 224, 270
Balanced scorecards, 174
Balta, Wayne, 73
Index 355

Bank of America, 10, 60, 201, 267
Banks, xvi, 9–10, 66, 95–97, 171, 176
Banks and capital markets, 95–97
BASF, 25, 219
as WaveRider, 25
Bath and Body Works. See Limited Brands
Bayer as WaveRider, 25
Ben & Jerry’s as WaveRider, 25
Benyus’ Biomimicry, Janine, 49
Bergmark, Thomas, 204, 220, 221
Berry, Phil, 12
Better Banana Program, 183, 184–185
Beyond petroleum, 11, 135–137, 157
Bhopal, India. See Coco-Cola, water use problems in India
Biodiversity, 46–49
aluminum recycling and, 56
AUDIO analysis example and, 62
business consequences, 48–49
declining signs of, 47
definition, 46
influence on companies and society of, 8
land use and, 47–48, 285
overview, 46–47
Rio Tinto and, 153
smart companies and, 152
species distinction, 47
Blogs:
castigating big business, 18
revealing secrets, 226
as self-appointed watchdog, 288
URLs, 309
shaping news, 80
Blue Angel label, 129, 130
Bluewater Network, 140
Body Shop, The, 127, 141, 250–251
Boeing, 138, 139
Bolsinger, Lorraine, 138
BorgWarner, 92
Boundaries, 154–156
BP. See British Petroleum
Brainstorming, 277
Brand inoculation, 186
Brand value. See Intangible value
Branded litter, 163
Brännstrom, Dan, 204
Braungart, Michael, 196, 198
Brent Spar oil platform. See Shell, Brent Spar
Bressand, Albert, 12, 148
Bristol-Myers Squibb as WaveRider, 25
British Petroleum (BP). See also
Browne, Lord John
academia, 81–82
blogosphere and, 18
brand value, 137, 299
breaches in safety and operations, 25
Clean Cities, 297–298
climate footprint reduction, 243
as company who should care, 20
eco-reputation helping, 141
flaring, 213, 229
fossil fuels, 149
gas emissions, 120, 243
internal trading, 120, 215
intranet, 229
“looking for carbon,” 2–3, 284
middle management squeeze, 242–243
rebranding beyond petroleum, 11, 135–137
refineries, 141, 156, 243
trading greenhouse gas emissions, 120
as WaveRider, 25
Brown, Don, 177
Index

Browne, Lord John. See also British Petroleum
on climate change, 157
on climate footprint, 243
on getting ahead of the curve, 120
greenhouse gases emission reduction at BP, 2
Greenpeace award to, 136
Greenpeace director and, 69
on most admired CEO list, 137
on new legislation, 75
Buffet, Warren, 14
Building the upside, 122–142
Burgmans, Antony, 31–32, 231–232
Burt’s Bees, 87
Business case for environmental thinking, 11–14
downside risks, 12–13
moral argument, 14
right thing to do, 14
upside benefits, 11–12
Business partners, 67, 82–86
business-to-business buyers and greening supply chain, 84–85
competitors, 82–86, 264, 288
industry associations, 82–83
suppliers, 85–86
Business risk, defining, 116
Cadbury-Schweppes and suppliers, 85
Cadmium:
ban in electrical equipment of, 73
as e-waste, 55
regulating, 51
Sony PlayStation and, 1–2,
51–52, 154, 177
California Proposition 65, 77
Carbon cycle, natural, 37
Carbon dioxide (CO2):
America’s vehicles emission of, 32
in atmosphere, 35–36
as bulk of greenhouse gases, 36
capturing, 41
Kyoto Protocol rule in Europe and, 76
source, 36–37
Carbon Disclosure Project, 93, 119
Carbon emissions, 191
Carbon exposure, xvii
companies that should care and, 20
as major issue, 93, 119
Wall Street analysts focus on, 10
Carbon Principles, 10, 96
Carbon sequestration, 40
Carbon tax, xv, 39, 263
Cargill, 20
Carrefour, 188
Caterpillar and carbon emissions, 191
Cato Institute, 81
Catskill Mountains, 49
Celulosa Arauco, 46
Center for Environmental Leadership in Business, 153,
237
Ceres, 93, 94, 312
Certification:
eco-label, 129–130
Forest Stewardship Council, 68,
130, 204
Marine Stewardship Council, 31,
238
Sustainable Forestry Initiative, 68
CFCs. See Chlorofluorocarbons
Champion Paper, 121, 263
Chemicals:
AUDIO analysis example, 63
endocrine disrupters, 50–51
in food, 52
overview, 50–52
REACH and, 74–75
as top ten problem, 34, 285
tracking use of, 52
ChevronTexaco, 40, 137
Chief executive officer (CEO):
  peers, 86–87
  statement, 267–268
Child labor, 155, 202
China:
  Dongtan as green city, 201
  energy demand rise, 41
  fuel efficiency standards, 72
  globalization effect of, 15
  greenhouse gas emitter, as world’s biggest, 17
  growing emission from, 17, 37
  lead paint in toys made in, 202
  logging, 49
  middle-class growth in, 17
  plastic shopping bags ban, 162
  water quantity problem, 44–45
Chiquita:
  Better Banana Program and, 183, 184
  bonuses, 223
  children’s influence on, 88, 184
  consumer demand for better
    performance, 88, 184
  environmental focus, 164
  Rainforest Alliance, 70, 129–130, 183–185, 223
Chlorofluorocarbons (CFCs):
  DuPont and, 57, 121, 263
  eliminating scheme, 75
  Greenpeace and Coca-Cola and, 69
  Montreal Protocol and, 57, 121
  ozone depletion and, 57, 285
  substitutes for, 57–58, 121, 263
Chouinard, Yvon, 26
Ciba-Geigy, 198
Citigroup:
  Carbon Principles and, 96
  as company who care, 20
  Equator Principles and, 95, 289
  lending decisions, 96, 289
  pilot projects, 268
  vetting loan applicants, 96, 289
Cizik, Richard, 88
Claims outpacing actions, 141, 248–249
Clean Air Act (1990), 53, 75
Clean air regulations and small businesses, 19
Clif Bar, 127, 187, 231
Climate change:
  AUDIO analysis example and,
    62
  business consequences, 39–40
  causes, 36–37
  displaced peoples and
    environmental refugees, 38
  ecosystems, disrupted, 38
  future and, 37–38
  hardest hit by, 38
  hotter temperatures, 37, 39
  imperative, 40
  overview, 34–38
  regulations, 119
  science behind, 8, 34–35
  signs of, 37–38
  as top ten problem, 285
  rising sea levels, 37–38
  windstorms increased intensity, 38
Climate Leaders, 77
Climate Protection Agreement, 72
Clorox, 70, 87, 127
Closing loops, 190, 199–200
Coca-Cola:
  branded litter, 163
  as company seeking
    Eco-Advantage, 26
  Dasani and British market
    withdrawal, 10
  Environmental Advisory Board
    of, 10, 154, 271
  Greenpeace and, 69, 70
Index

Coca-Cola (Continued)
high brand exposure, 20
pesticides, 110
refrigerants, 10, 189–190, 271
sustainability advisory board, 187, 271
water use problems in India, 10, 16–17, 45, 271
water use tracking, 175, 238
Colgate, 87
Collins, Jim, 29, 207, 269
Commodity prices, rising, xiv, 16
Communications:
coordinate with partners, 193
external, 225–228, 271
internal, 228–232, 272
niche, 272
Communities, partnering with, 188–191
Community and consumers. See Consumers and community
Competitive advantage. See also Eco-Advantage
beyond compliance for, 118–121
lobbying for stricter regulations for, 121
Competitors, 67, 84, 288–289
Compliance, 118–120, 175
Conoco, double-hull tankers, 206–207
Conservation International:
e-news updates, 308
Ford’s grant to, 237
McDonalds and, 185–186
as nongovernmental organization, 69
on partnering with companies, 184
Rio Tinto and, 153
Consumers and community, 67, 86–90, 264, 289
Coral reefs, 58
Corporate social responsibility (CSR):
Chiquita and, 183–185
employees responding to, 228, 272
focus on, intensified, 16
Gap, Inc. and, 84
pressure for, 68
reports, 225–226
Shell and, 223
Timberland and, 220
to bring Eco-advantage to the fore, 271
Xerox and, 91
Correa, Maria Emilia, 157, 229
Crabtree & Evelyn, 190
Cradle to cradle, 196
Credit Suisse, 95
Cross-fertilization, 220–222, 232, 248, 293
CSR. See Corporate social responsibility
Customers:
loyalty of, 127–132, 246, 290
making environmental problems of customers your own, 123–125
misunderstanding, 240–242
preferences of, 33, 127
Cuyahoga River fire, 44
Daft, Doug, 10, 154, 271
Dahlvig, Anders, 204
DaimlerChrysler, 113
Dasani. See Coca-Cola
Data. See Metrics
Davies, Peter, 213, 215
Decisionmaking:
Eco-Advantage, 211–216
leveraging the invisible hand, 215–216
pairing as a tool for, 213–214
Index 359

rethinking hurdle rule, 211–213
tools, 293
Deforestation:
AUDIO analysis example and, 63
business consequences, 59–60
clear-cutting, 59
old growth, 59
overview, 59
Staples accused of, 70
as top ten problem, 10, 285
Dell:
Asset Recovery System of,
124–125
catalogs, 85–86, 159
laws forcing design changes, 74
materials database, 176–177
nongovernmental organization
and, 273
partnership (Electronics Industry
Code of Conduct), 190
protesters, 70, 98–99
recycling, 70, 124–125, 159
staff reviews, 223
stakeholder relations, 271, 272
suppliers, 85–86
trucks, filling the, 113
as WaveRider, 25
Dell, Michael, 70, 85, 223, 271
DePree, D. J., 164
Desertiﬁcation, 61
Design for the Environment (DfE),
See also Redesign
DeSimone, Livio, 151
DfE. See Design for the Environment
Digital Age, 17–18
Dioxin, 50
Displaced peoples and
environmental refugees, 38
Disclosure:
Proposition 65, 77
PROPER law in Indonesia, 76
pressure for more, 93
“right to know” laws, 77
Sarbanes-Oxley Act, 76–77, 179,
217, 287
Toxics Release Inventory, 76, 77
Dow Chemical Company:
acquiring Union Carbide, 13
carbon emissions, 191
energy saving, 109
redesign for waste reduction, 199
Responsible Care program and,
82
shareholders and, 94
sustainability advisory board, 187
as WaveRider, 25
WRAP, 106
Dow Jones Sustainability Index, 24,
92, 312
Downstream. See Value chain
Drivers for companies to go green,
31–64, 284
Duke Energy, 71, 149, 191, 286
Dunham, Archie, 207
DuPont:
Active Energy Leadership Team,
229
carbon emissions, 191
CFCs and ozone layer, 57, 121,
263
as company who should care, 20
Conoco double-hull tankers and,
206–207
cross-fertilization, 21, 248, 293
eco-expense reduction, 111
energy efficiency, 105
Environmental Leadership
Council, 206, 219
“goal is zero,” 111, 209, 293
going public with goal, 211
lycra, 158–159, 178, 296–297
Montreal Protocol and, 121
nylon, 178
DuPont (Continued)
Petra Tech, 125
PFOA, 52
recycling, 125
renewable sources, 159–160
Responsible Care program, 82
strategic thinking and
transformation, 211
SuperSolids technology, 113
sustainable growth, 142, 156, 187
Sustainable Growth Council, 219
Sustainable Growth Excellence
Awards, 187
SVA, 177–178, 269
Toxics Release Inventory, 111, 158
Victoria, Texas, 159
Wall Street language usage, 228
as WaveRider, 25
working with Nike on sustainable
shoe, 84
zero waste goal, 111, 158–159, 209
Dutch flower industry, 200

Earth Institute at Columbia
University, 178
Earth Summit (U.N. Conference on
Environment and
Development), xix–xx, 254
Eckert, Bob, 202
Eco-Advantage, 7–30
academia, 82
bottom line, 64, 99, 121, 142, 165, 194, 205, 232, 259, 280
business case for environmental
thinking, 11–14
champions, 217
as competitive advantage, 120
culture, 293–294
decisionmaking, 211–216
definition, 14
difficulty of, 23–24
environmental strategy,
sustainability, and corporate
responsibility, 22
evolving challenge, 9
execution as key to, 22
includes all levels of company,
156
inspiring culture of, 206–232
legislation, new, 75
looks of companies seeking,
21–22
magnifying forces, 15–18
Mindset, 145–165, 233,
269–274, 290–291
partnerships as tool for, 182
playbook, 103–104
players, 97
playing field, 67
pressures, new, 8–10
riding the green wave, who’s,
24–27
strategy, 101–104, 281–303
Toolkit, 144, 167, 196, 208,
290–294
who should care, 18–21
Eco-defined new market space,
133–135, 299
Eco-design, 123–126, 298
costs, pay attention to, 126
don’t ignore other needs of
customer, 126
make your customer’s
environment problems your
own, 123–125
meet a need that actually exists,
125–126
Eco-efficiency, 105–111, 295–296
bottom line and, 13
definition, 13
Information Age, 109
trade-offs, hard, 110
value chain, 112–114, 297
Index 361

Eco-expense, reduction of, 111–112, 296–297
Eco-isolation, 245–248, 259, 301
Eco-labeling, 120, 129–131.
See also Certification
Ecomagination, 7, 122, 138–139
Eco-Management and Audit Scheme (EMAS). See Environmental Management Systems
Eco-risk control, 114–121, 297–298
Eco-sales and marketing, 127–132, 298
Ecosystem(s), 38, 47, 49
Eco-Tracking, 291–292
capture data and create metrics, 174–179
data and competitive spirit, 178–179
Life Cycle Assessment. See Life Cycle Assessment
management systems and, 269–270
partner for advantage, 182–194
questions answered by, 166
raw data to creative metrics, 177–178
set up systems, 179–182
supply chain metrics and materials database, 176–177
toolkit, 167
trace your environmental footprint, 167–173
what to track, 174–176
when things go wrong, 181–182
Eco-training, 230–232
Edward, Garth, 215
EHS First, 230
Electrolux, 25, 119–120
Electronics Industry Code of Conduct, 190
Elkington, John, 192
EMAS. See Environmental Management Systems
Emergency management, 181–182
Emergency response plan, 80, 181
Employees, 90–91
EMS. See Environmental Management Systems
Endocrine disruptors, 50–51
Energy, 40–43
AUDIO analysis example and, 62
business consequences, 42–43
fossil fuels (coal, gas, oil), 40
measuring usage, 175
overview, 40–42
renewable, 7, 41, 42, 175
as top ten problem, 285
Energy Star, 77, 130, 188, 312
Engagement and ownership, 217–220, 270, 293–294
Engen, Travis, 300
Entropy. See Interface Flooring
Environmental Defense:
Citigroup and, 268
McDonald’s and, 59, 70–71, 185
as nongovernmental organization, 69
Environmental disasters:
Bhopal, India, 10, 13, 16–17, 45, 46, 271
Exxon Valdez oil spill, 13, 80, 88, 181, 257
Love Canal, 80
Environmental engagement drivers, 217
Environmental footprints, 167–173
Environmental initiatives failure and why, 24, 235–259
claims outpacing actions, 248–249
eco-isolation, 245–248
failing to tell the story, 257–258
ignoring stakeholders, 254–257
inertia, 253–254
middle management squeeze, 242–244
Environmental initiatives failure and why (Continued)
misunderstanding customers,
240–242
misunderstanding market,
238–239
perfect as enemy of good,
250–253
price premium expectation,
239–240
seeing trees and not the forest,
236–238
silo thinking, 244–245
surprises, 249–250
Environmental issues, 33–60, 66
Environmental lens, 1–4, 18
Environmental management systems
(EMS), 19, 170–180
Environmental policies, evolving, xv
Environmental problems:
  making customers your own,
  123–125
top ten, 33–60, 285
Environmental reporting, 226–227
Environmental risk, identifying,
117, 118
Environmental thinking, business
case for, 11–14
EPA. See U.S. Environmental
Protection Agency
EPR. See Extended producer
responsibility
Equator Principles, 95, 289
Ethical Investment Research Service,
92
European Eco-Label, 130
European Union (EU):
cap and trade system, xv
directives of, 50, 71–75
Eco-Management Audit Scheme,
180
emissions trading market, 76
Integrated Product Policy, 188
laws on chemicals and electronics,
288
REACH, 50, 74–75, 119
Evangelical Environmental
Network, 88
Evergreen lease. See Interface
Flooring
E-waste, 55
Experts, partnering with, 186–187
Extended producer responsibility
(EPR):
  for cars, 168
  environmental balance sheet and,
  168
take-back laws and, 56, 73, 120,
  125
  why environmental initiatives fail,
  236
ExxonMobil:
  brand image, 137, 314
  children’s influence, 88–89
  as company who should care, 20
  Exxon Valdez oil spill, 13, 80, 88,
  181, 257
global warming, 157
  reputation, 141
  shareholders and, 93
FedEx Kinko’s:
  Environmental Branch of the
  Year, 224
Paper Working Group, 190
pressure on suppliers, 159
recycled-content paper, 246
renewable energy, 42, 246
retrofit, energy efficiency, 109
“Six Flags on a Hill,” 247–248
sustainability training, 247
videos, 229
Feelings are fact, recognize,
160–163
Financial Accounting Standards Board (FASB), 24, 76
Financial services, greening of, 96
Financial statements, 179
Fiorina, Carly, 164
Fisheries, sustainable, 58–59, 238, 285
Fitzgerald, Niall, 92, 231
Five Forces, 98
Food safety:
genetically modified organisms (GMOs), 60
mad cow disease, 115, 297
radiation, 60–61
Ford:
Bluewater Network and, 140
as company who should care, 20
concentrating on wrong environmental problem, 236–237
Conservation International, 237
green products, 123
narrow focus, 235–236, 237
public commitments, 140
public demand changes, 25
Rouge River factory, 235–236, 237
Taurus, 133
as WaveRider, 25
Ford, Bill, 140, 235, 236, 237
Forest Stewardship Council (FSC), 68, 130, 204. See also Certification
Forestry and industry-wide initiatives 83
Fortune magazine, xii, 32, 56
Fosbury, Dick, 145, 146, 147
Fossil fuels, 40, 41
Framework, tying it together, 301–302
Frankenstein foods, 162
Friedman, Milton, 14
Friedman on globalization, Thomas, 15
Friends of the Earth, 69
FSC. See Forest Stewardship Council
FTSE4Good, 92, 312
Fuji, disposable cameras and, 244–245
Gagnier, Dan, 89, 111, 187, 209, 300
Gap, Inc.:
Corporate Social Responsibility report, 84
suppliers, 183
worker conditions, 87
Gap analysis, 266
General Electric (GE). See also Immelt, Jeff
brand value, 299
carbon-constrained world, 119
carbon emissions, 191
as company seeking Eco-Advantage, 21, 26
digital cockpit, 180
ecomagination, 7, 29, 122, 138–139, 228
environmental initiatives, 284
GENx, 138
green chemistry, 128
green products, 123
Hudson River, PCBs, 91, 122, 138, 162
information sharing, 128
pairing retrofits, 214
PowerSuite, 179–180, 269
risk assessment, 182
Session E, 220, 243, 293
tough love program, 220
toxic chemical dumping, 91
waste emissions, 180
water infrastructure, 46
Index

General Mills’ Hamburger Helper packaging, 106
General Motors (GM):
Chevy Volt, 140, 248
green products, 123
large vehicles, 134
public demand changes, 25
as WaveRider, 25
Genetically modified organisms (GMOs).
See Greenhouse gases
Gifford, Kathie Lee, 202
Global Climate Coalition, 83
Global Environmental Management Initiative, 180, 312
Global Reporting Initiative, 227, 312
Global warming, 8. See also Climate change
Globalization:
as business concern, 261
localization, 15
as macro-issue, 282
new access due to, 281
GM. See General Motors
GMOs. See Genetically modified organisms
“Goal is zero,” 111, 158–159, 209, 293
Goals:
going public with, 211
setting workable, 192
stretch, 208–211, 293
Goldman Sachs, 8, 10, 284, 289
Good to Great: Why Some
Companies Make the Leap . . .
and Others Don’t (Collins), 29, 207, 269
Google, 42, 137, 276, 277
Gore, Al, 9, 42, 88
Government:
continually changing, 71
emissions trading market, 76
information regulation, 76
international pressure, 72–74
local pressure, 71–72
partnering with, 188
regulation and, 71–75
Grandchildren test, 149
Green building, 200–201
Green business:
articles and magazines on, 307–309
books on, 305–307
Green cost accounting, 152
Green marketing, 127–128, 257–258, 298
Green markets, 127
Green Point system, 276
Green Power Market Development Group, 288
Green products demand question, 318–319
Green protectionism, 131
Green Seal, 298
Green Wave:
environmental issues to watch, 33–34
going ahead of, 13
major new players, 66
natural drivers of, 31–64
trend question, 321
who’s behind, 65–99
who’s riding, 24–27
Greenhouse gases (GHGs):
Arctic samples and, 35
carbon dioxide. See Carbon dioxide
CFCs. See Chlorofluorocarbons
costs to clean up, 39
duration of, 37
eco-efficiency. See Eco-efficiency
methane, 36–37
“Greening the supply chain,” 84–85
Greenlist. See SC Johnson
Greenpeace:
award to Lord John Browne, 136
boarding Brent Spar, 65–66
Coca-Cola and, 69, 70, 189
as nongovernmental organization, 69
Refrigerant, Naturally!, 189–190
Shell and, 69
shoemakers and, 256
working with British Petroleum, 69
Green-to-Gold Play(s), 294–300, 302–303
eco-defined new market space as, 133–135, 299
eco-design as, 123–126, 298
eco-efficiency as, 105–111, 295–296
eco-expense reduction as, 111–112, 296–297
eco-risk control as, 114–121, 297–298
eco-sales and marketing as, 127–132, 298
framework diagram, 295
intangible value as, 135–141, 299
list of, 104
survey results, 314–315
value chain eco-efficiency as, 112–114, 297
Greenwashing, 248, 319
GrupoNueva:
best practices, 229
environmental dedication, 157
inertia, 254
lead stabilizers, 157–158
metrics, 178
working with 3M, 128

Haise, Fred, 158
Heavy metals:
business consequences, 51–53
cadmium. See Cadmium
lead. See Lead
cadmium. See Mercury
mercury. See Mercury
overview, 51
as top ten problem, 285
Hedge funds, 96–97
Hefty, 137
Heinz, Star-Kist tuna’s
“dolphin-safe” label, 84
Henkel as WaveRider, 25
Hercules, 244, 245
Heritage Foundation, 81
Herman Miller:
balanced scorecard, 174
cross-fertilization, 221
culture, 68
Design for the Environment, 198–199, 216, 218
Environmental Quality Action Team (EQAT), 217–219
Green building (LEED), 201, 249, 275–276, 292
materials database, 176–177
Mirra chair, 176–177, 198–199
off-gassing, testing for, 54
reason to go green, 164–165
renewable energy, 210, 215–216
stewardship, 164, 293
stretch goals (“Perfect Vision”), 209
trade-offs, 252–253
videos, 229
wasps, 249, 252
waste, 112, 200, 214, 221
waste-to-energy plant, 200
as WaveRider, 26
zero waste goal of, 56, 210, 221
Hewlett-Packard (HP):
Compaq merger, 164
customer questions and demand, 9
Eco-Solutions initiative, 130
flame retardants, 52
paper, 267
Index

Hewlett-Packard (HP) (Continued)
  partnership (Electronics Industry Code of Conduct), 190
  Planet Partners, printer cartridges, 156
  recycling toner cartridges, 155–156
  suppliers, 85
  Tiernan, Pat, 9
  as WaveRider, 25
  Hitachi’s design for the environment, 199
  Holcim as WaveRider, 25
  Holliday, Chad, 156, 158
  Holst, Lex, 148
  Home Depot, 288–289
  Honda Accord, 133
  HP. See Hewlett-Packard
  Hubbard Hall, 134
  Hunter, Dick, 223
  Hurdle rate, 211–213
  Hurdles to going green, xv–xvi, 300–301
  Hydrogen, 41–42
  Hyperion Software, 216
  Hyundai, 92

IBM. See International Business Machines
  Idea generators and opinion leaders, 67, 80–82, 264, 288
  Identifying environmental risk, 117
  IdleAire Technologies, 124

IKEA:
  auditing of supply chain, 116, 274–275, 292
  Billy Bookcase, 203
  cross-fertilization, 220–221, 248, 293
  eco-stores, 268
  eWheel, 275
  flat packaging, 113, 114, 297
  fossil fuels, 149
  as green brand, 139
  hurdle rate, 212
  IWAY, supply chain, 203–204, 223–224, 274–275, 292
  lighting and, 173
  mantra, the right thing, 163–164
  Material Risk Council, 181
  metrics, 178–179
  Natural Step and, 173
  pairing, 214
  plastic bag tax, 162, 216
  staircase model, 202–204
  stewardship, 293
  supply chain redesign, 202–204
  waste recycling, 163–164
  as WaveRider, 25
  wood and forestry, 155
  World Wildlife Fund partnership, 192

Immelt, Jeff, 7, 29–30, 86, 119, 122, 138, 228. See also General Electric
  Incentives, 222–224, 243–244, 270

India:
  Coca-Cola and water issues in Bhopal, 10, 16–17, 45, 46, 271
  Coca-Cola pesticide problem in, 110
  energy demand rise, 41
  globalization and, 15
  growing emissions from, 37
  middle-class growth in, 17
  Indian Institutes of Technology, 81
  Industrial ecology closing loops, 199–200
  Industry associations, 82–83, 288
  Industry-specific responses, xvi–xvii
  Inertia, 253–254, 265, 300
  Information Age, 19, 109
  Innovest Strategic Value Advisors, 24, 92, 311, 312
Index

J & J. See Johnson & Johnson
John Deere, 299
Johns Manville, 50
Johnson & Johnson (J & J):
carbon emissions, 191
renewable energy, 42
Tylenol, 257
as WaveRider, 25
Johnson Controls, 298
Johnson, Fisk, 141
JPMorgan, 96, 289
Kaelin, Albin, 110, 198, 215, 231.
See also Rohner Textil
Kaiser Permanente, 190
Kamprad, Ingvar, 163
Kay, Bob, 163
Kellogg, Terry, 196, 220, 253, 256
Kellogg Company, 114–115
Kent and Coca-Cola, Muhtar, 10, 154
Key performance indicators (KPIs), 232, 243, 270
Kids (youth):
as future, 87, 88–89
influence on Chiquita, 88
Ranger Rick, 88, 184
Kim, Chan, 133
Kinko’s. See FedEx Kinko’s
Kistler, Paola, 89
Klamath River water levels, 45
Kleiner Perkins, 42
Kodak as WaveRider, 25
Kohlberg Kravis Roberts, 96
Kona Blue, 21
Kraft Foods, xiv
Kranz, Gene, 158
Krueck, Else, 118
Kudos, 224
Kyoto Protocol, 68, 72, 76, 215, 287–288, 320
Laddychuk, Simon, 230, 232
LaFarge, 20, 25, 54
Land use, 47–48, 285
Langert, Bob, 115, 212
Lawsuits. See Plaintiff’s bar
LCA. See Life Cycle Assessment
Lead:
ban in electrical equipment, 73
as e-waste, 55
phase out from gasoline, 75
Rhode Island lawsuit over lead in paint, 79
science of, 51
stabilizers, 157
tuna packers and, 77
winemakers and, 77
Leadership in Energy and
Environmental Design (LEED), 201. See also Green building
Lederhausen, Mats, 33
LEED. See Leadership in Energy and
Environmental Design
Levene, Peter, 94
Levi’s and organic cotton, 140, 258
License to operate, 255
Life cycle, 249, 250
Life Cycle Assessment (LCA), 108, 169–173:
Alcan and, 187
AUDIO and, 263–264
car value chain example, 169–170
clarifying focus, 237, 291
on core products, 254
cost reduction value chain using, 297
definition, 169
depth and cost trade-off, 173
greenhouse gas emissions chart, 171
lower business risk by using, 301
3M and, 172
Timberland and, 171, 172, 173
Lifestyles of Health and Sustainability (LOHAS), 87
Limited Brands:
  Bath and Body Works, 127
  nongovernmental organizations targeting Victoria’s Secret, 85
  Victoria’s Secret catalog paper, 60
Ling, Joe, 106, 107
Lloyd’s of London, 94
Lobbying, 121
LOHAS. See Lifestyle of Health and Sustainability
Long, Dave, 119
Long-term actions, 260, 274–279
L’Oréal, 52, 85, 251
Love Canal. See environmental disasters
Lovell, Jim, 158
Lovins, Amory, 134, 199, 271
Lubber, Mindy, 94
Magnifying forces, megafactors:
  continuing pressure from poverty, 17
  globalization and localization, 15
  insecurity, 15
  rise of middle class in emerging economies, 17
  rising commodity prices, 16
  transparency and accountability, 17–18
Makower, Joel, 140
Management systems and eco-tracking, 269–270
Marine Stewardship Council (MSC), 31, 130, 238. See also Certification
Market segmentation, 131–132
Marketing, green. See Green marketing
Masdar as green city, 201
Materials databases, 176–177
Mattel and toy recall, 202
Mauborgne, Renée, 133
McDonald’s:
  brand inoculation, 186
  branded litter, 163
  button batteries, mercury, 114–115, 273
  as company who should care, 20
  Conservation International, 185, 186
  Environmental Defense and, 59, 70–71, 185, 186
  high brand exposure, 20
  hurdle rate, 212
  Lederhausen of, Mats, 33
  localization, 15
  mad cow disease and, 115, 297
  nongovernmental partnerships, 176, 185, 186
  NGO target, 85
  packaging, 59, 71, 185, 251–252, 253
  partnerships, 70–71, 185
  reason for going green, 164
  recycling, 118, 126
  Refrigerants, Naturally!, 189–190
  renewable energy, 214
  risk, anticipatory issues by management in, 114–115, 116
  suppliers, 176, 192, 297
  sustainability and, 173
  tailored products and services, 15
  waste, 118, 163, 240–241
  as WaveRider, 25
McDonough, Bill, 195, 196, 198, 235, 271
McLaughlin, Dave, 88, 183, 184, 185, 192
McNealy, Scott, 124
Mecklenburg, Sue, 242
Media attention, xii–xiii, 80, 81, 288
Index

Mega-forces, mounting, xiv–xv
Melchett, Lord Peter, 69
Mercury:
  airborne, 51
  ban in electrical equipment of, 73
  capturing, 41
  as e-waste, 55
  Ikea and lamps, 173
  McDonalds and, 114–115, 273
  prenatal exposure, 51
  regulating, 51
Spider-Man 2 toys and, 114–115
Merrill Lynch, 92, 93
Metafore, 190
Methodological overview, 311–316
Methyl bromide, 58
Metrics:
  data capturing to create, 174–179
  environmental key, 175
  guidelines, 175–176
  hurdle rates, 211–212
  raw data and creating, 177–178
  Shareholder Value Added, 177
  supply chain, 176–177
  sustainability, 178
  tracking of, 174–176, 270, 291
Microsoft:
  as company who should care, 20
  Indian Institutes of Technology
    and, 81
  polyvinyl chloride plastic phase
    out, 190
  shareholder value added and, 178
Middle class rise in emerging economies, 17
Middle-management squeeze, xvi, 242–244
Millennium Ecosystem Assessment, 32, 44, 47
Mindset Eco-advantage:
  boundaries, 154–156
  do the right thing, 147, 163–165, 291
  embedding, 269–274
  look at forest and not the trees,
    146, 147–156, 290
  “no” is not an option, 147,
    158–160, 290
  payoffs, 150–153
  recognize feelings are facts, 147,
    160–163, 290–291
  start at top, 146, 156–158, 290
  time as strategic term, 147–149
  Misunderstanding customers,
    240–242
  Misunderstanding the market,
    238–239
  Mohin, Tim, 244
  Molsen, 131
  Monsanto, biotechnology, 131,
    162, 238–239
  Monster.com and working for green
  company survey, 90
  Montreal Protocol. See Ozone layer
  Moore’s Law, 17–18
  Morgan Stanley, 96
  Morris, Mike, 226
  Mottershead, Chris, 136, 137, 215,
    242–243, 298
  Moura, Julio, 157–158
  MSC. See Marine Stewardship
    Council
  Mulcahy, Anne, 91
  Munich Re, 39, 94
  Nathan, Pat, 85
  National Association of
    Evangelicals, 88
  National Fish and Wildlife
    Foundation, 237
  National Wildlife Federation, 69
  Natural disasters, 29, 39, 78, 94,
    286
  Natural forces, 284–286
  Natural resources as assets on
    planetary balance sheet, 33
Natural Resources Defense Council (NRDC), 69
determining which follow your business, 98
Natural Step sustainability, 173
going after large customer-facing brands, 85
Nature Conservancy, 69
Green Seal, 298
Nestlé, 20, 85
greenwashing claims, 248
NGOs. See Nongovernmental organizations
hazardous waste and, 116
Nike:
helping with risk, 271
adhesives, 112
lessons from corporate trenches, 193
cross-fertilization, 222
McDonalds and, 176, 185, 186
Paper Working Group and, 190
typeology of, 192
Power of One, 222
NGOs, 69
reason to go green, 164
partnering with, 183–186
stretch goals, 209
partners, new and surprising, 69
sustainability, 12
publicity, 82
sweatshop problems, 202
shareholder resolutions push, 93
as WaveRider, 25
Shell and, 66
working with DuPont on supply chain, 116
sustainable shoe, 84
as watchdog, 68, 288
9/11 attacks. See September 11, 2001 attacks
Nokia: as Norsk Hydro as WaveRider, 25
green building, 201
North Atlantic fishery collapse, 59
Integrated Product Policy, 188
Northeast Utilities:
life-cycle of products, 188
communicating honestly, 226
materials, 118
environmental risk evaluation, 181
take-back program, 56, 120
green cost accounting, 152
as WaveRider, 26
incentives, 223
Nongovernmental organizations
nongovernment organization day at, 271
(NGOs):
training middle management, 232
agenda, determining, 98
Novo Nordisk, 25, 200
Alcan and, 89
Novozymes as WaveRider, 25
attitude toward, 276
NOx. See Nitrogen oxide
banks and, 95
NRDC. See Natural Resources Defense Council
Bluewater Network, 140
Nuclear power, 41, 60
on British Petroleum’s rebranding campaign, 136
building relationships with, 256
Conservative International, 153
Oceans and fisheries:
Dell and, 85, 98–99
AUDIO analysis example and, 63
building relationships with, 256
business consequences, 58–59
Index

Oceans and fisheries (Continued)
overview, 58
as top ten problem, 285
Office Depot, 131
Ogallala Aquifer depletion, 44
Oil. See Energy
Omland, Jim, 107, 212
Opinion leaders and idea
generators, 67, 80–82
Organic food, 87, 127
Outsourcing, 261, 281
Overview, methodological, 311–316
Ownership and engagement, 217,
220, 270, 293–294
Ozone layer:
AUDIO analysis example and, 63
business consequences, 57–58
closing of hole in, 57
damage estimates due to
depletion, 57
depletion, 8, 57–58, 284, 285
Montreal Protocol, 57

Packaging:
forests and, 59
General Mills’ Hamburger
Helper, 106
Green Point system, 276
IKEA, 113, 114
McDonalds, 59, 71
McNuggets, 251–252
Timberland shoe box, 130, 196,
213
Wal-Mart, 85
Pairing, 213–214
Paper Working Group, 190, 267,
288
Partnerships, 182–194
compatibility assessment,
278–279
Chiquita and Rainforest Alliance,
70, 129, 130, 183–185, 223
Clorox and Sierra Club, 70
Coca-Cola and Greenpeace, 69,
70
communities, 188–189
due diligence, 279
as Eco-Advantage tool, 182
experts, 186–187
for advantage, 182–194
government, 188
industry, 189–191
lessons learned from, 191–194
McDonalds and Environmental
Defense, 70–71
NGOs, 183–186, 276
with other companies, 189–191
Refrigerants, Naturally!,
189–190
Shell and Greenpeace, 66
stakeholder management and,
276–279
strategy determination, 279
Patagonia:
green products, product pitch of,
239, 240
price premium, 239
as WaveRider, 25, 26
Patience, importance of, 192
Paulson, Rick, 148, 161
Payoffs, 150–153
Pechiney, 230
Peer review, 291
Pepsi and suppliers, 85
Perrier and reforestation and
organic water, 49
Peters, Dierk, 238
Pfeiffer, Gary, 228
PFOA, Teflon, 52
Philips, 25, 123
Pilot projects, 268–269
Plaintiff’s bar, 79–80, 264, 287
Plastic shopping bags, 162
Players, 286–290
business partners/competitors as,
84, 264, 288–289
consumers/community as, 67, 86–90, 264, 289
idea generators/opinion leaders as, 67, 80–82, 264, 288
investors/risk assessors as, 67, 90–97, 264, 289–290
rule-makers/watchdogs as, 67, 68–79, 264, 287–288
PlayStation. See Sony
Polluter Pays Principle, 73
Pollution prevention:
  hierarchy, 196–197
  pays (3P) and, 106–108, 110, 113, 212, 224, 296
  reduce, reuse, recycle as, 196
Polyvinyl chloride (PVC), 157, 158, 177, 190, 218, 250, 256
Porter, Michael:
  competitive advantage, 101, 281
  Five Forces, 98
  on stretch goals, 209
Post-its. See 3M
Poverty, 17, 22
PowerSuite. See General Electric
Precautionary principle, 50, 74–75
Pressler, Paul, 87
Pressures, 284–290
  natural forces, 284–286
  players, 286–290
Price premium, 132, 239–240
Prickett, Glenn, 153, 184
Priority action plan, 268
Prius hybrid cars. See Toyota
Procter & Gamble:
  carbon emissions, 191
  high brand exposure, 20
  suppliers, 85
  as Wave-Rider, 25
Product labeling. See Eco-labeling
PROPER law in Indonesia, 76
Protecting our asset base, 33
PVC. See polyvinyl chloride
Q Collection, 19, 198
Questions frequently asked, 317–321
Radiation, 60–61
Rainforest Action Network, 95
Rainforest Alliance and Chiquita, 70, 95, 129, 130, 183–185, 193, 223
Ramsey, Steve, 180
Ranger Rick, 88, 184
Raymond, Lee, 157
REACH. See Registration, Evaluation, and Authorization of Chemicals (REACH)
Recycling statistics, 54
Redesign, 195–205, 292
  closing loops and industrial symbiosis, 199–200
  Design for the Environment (DfE), 108, 124, 179–199, 216, 218
  Eco-Advantage Toolkit for, 196
  green building, 200–201
  green supply chain, 202–204
  Ikea, 202–204
  pollution prevention hierarchy, 196–197
  Reduce, reuse, recycle, 196
  Reed, Kathy, 107, 110, 128, 151, 220, 221, 223
  Reforestation, 59
  Refrigerants, Naturally!, 189–190
  Registration, Evaluation, and Authorization of Chemicals (REACH), 50, 72, 74–75, 119
  Regulation/regulatory. See Government and regulators
  Regulatory burden, cutting costs of, 111–112
  Religion as influencer, 88
Index

Renewable energy. See Energy, renewable
Reporting, beyond, 229–230
Reputation, build corporate, 135–141
Research centers and think tanks, 81
Resource constraints, 8
Resource productivity, 16, 105–111
Resources, 305–309
Resources for the future, 81
Responsible Care, 82–83, 288
Restriction on Hazardous Substances (RoHS), 72, 73
Retrofits, 108–110
Revron and phthalates, 52
Rhone-Poulenc, 108
Richards, Dave, 153, 255, 273
Ricoh as WaveRider, 25
Risk, identifying environmental, 117, 118
Risk assessors and investors. See Investors
Risk definition, business, 116
Right thing to do, 14, 147, 163–165, 291
Right to know. See Disclosure
Rio Tinto. See also Alcan
acquiring Alcan, 300
biodiversity, 46, 153
business drivers, 273
Flambeau, WI, 254–255
Risk, reduction/management of, 114–121
Rittenhouse, Dawn, 211
River Rouge plant. See Ford
Robert, Karl-Henrik, 173
Robertson, Pat, 88
Rogero, Larry, 109, 246, 247
Rogers, Jim, 71, 149, 191, 286
Rohner Textil:
carbon tax, 215
Climatex fabric, dyes, 197–198
closed-loop water system, 110
design for environment, 197–198
eco-efficiency, 296
internal education (solar energy), 231
metrics, 176
success/failure of, 253
as WaveRider, 26
RoHS. See Restriction on Hazardous Substances
Romanoff Flooring, 288–289
Royal Dutch/Shell. See Shell
Ruiz, Hector, 219
Rulemakers and watchdogs. See Watchdogs and rulemakers
SC Johnson:
compensation/bonus, 223
e-mail exchange with external audience, 227
Greenlist, 118, 119, 141, 223
persistent, bioaccumulative, and toxic (PBTs) chemicals and, 118
regulations and 119
as Wave-Rider, 25
Schmidheiny, Stephan, xvii, 254
Schneider, Nicole, 221
Schnitzer Steel Industries, 56
Schramm, Drew, 218
Schwarzenegger, Arnold, 41
Science article on climate change, 36
Scientific Certification Systems, 129
Scott, Lee, xi, 7, 13, 29, 86. See also Wal-Mart
Scully, Vince, 201
Sea levels, 37–38
Seabright and Coca-Cola, Jeff, 10
Seahorse Power Company, 124
Securities and Exchange Commission, 76
Segmentation, market, 131–132
September 11, 2001 attacks, 15, 94
Servicing, 134–135, 238
Session E, 220, 243, 293
Seventh Generation and Method, 127
SFI. See Sustainable Forestry Initiative
Shaklee’s “get clean” line, 52–53
Shapiro, Robert, 162, 239
Shareholder Value Added (SVA), 177–178
Shareholders, 91–94
Sharp, Al, 88
Shell:
assurance letter, 217
Athabasca Oil Sands, 12, 66, 188–189
brand image, 137
Brent Spar, 65–66, 161–162, 255, 289
fossil fuels, 149
green marketing, 129
incentives, 223
indicators, 223
internal trading, 215
Nigeria, problem with, 12
Pura (V-Power), 128, 239–240
SAPREF, 256
scenarios, group, 12, 116, 148–149, 272–273
Shell Report, reporting, 148, 229
stakeholder relations, 2, 189, 256
“Tell Shell” program, 66, 227
TINA (There Is No Alternative), 12
as WaveRider, 25
Siemens as WaveRider, 25
Sierra Club, 69, 70
Silo thinking, 244–245
Ski resorts, 39, 286
Slash-and-burn agriculture, 48
Small businesses and why they should care, 19, 96, 124
Smart companies, 16, 56, 64
Smith, Adam, 215, 293
Social Investment Forum, 91
Social issues and why they can’t be ignored, 23
Socially Responsible Investing (SRI), 24, 91, 312
Sony:
brand value, 137
Play-Station (cadmium crisis), 1–2, 3, 51–52, 154, 177
supplier audit system, 284
suppliers’ use of toxics or heavy metals, 64
as WaveRider, 25
SOx. See sulfur dioxide
SRI. See Socially Responsible Investing
Stakeholders:

business partners and competitors, 67, 82–86
consumers and community, 67, 86–90
core groups, 67–97
engagement evaluation, 277–278
grading and scoring, 277
green pitches to, 225
idea generators and opinion leaders, 67, 80–82
ignoring, 254–257
investors and risk assessors, 67, 90–97
management and partnerships, 276–279
mapping, 97–99, 256, 264, 277
players as five groups of, 67
players influence map, 265
prioritizing, 265, 266
rulemakers and watchdogs, 67, 68–79
strategies, 277–279
Stanford Business School, 90
Index

Staples, Inc.: deforestation accusation at Fenway Park, 70
Paper Working Group, 190, 267, 288
retrofit energy savings, 109
Starbucks: coffee cup sleeve, 241–242
Environmental Footprint Team, 219
Mission Review, 224
t paper usage tracking, 174–175
Paper Working Group, 190
Preferred Supplier Program, 255
renewable energy, 42
sustainability and, 173
as WaveRider, 25
Star-Kist tuna’s “dolphin-safe” label, 84
Statoil, 200
Steel Dynamics, 56
Stern Review, 39
Stewardship, environmental, 282, 283, 294
STMicroelectronics, 25, 296
Stop & Shop’s Nature’s Promise, 127
Stora Enso as WaveRider, 25
Storytelling, 257, 294
Stowaway species, 49
framework graph, 102, 283
tasks, 103–104
Strength, weaknesses, opportunities, and threats (SWOT), 261
Stretch goals. See Goals
Suburban sprawl, 13, 48
Sulfur dioxide (SOx), 53, 175
Sun Microsystems “green saver,” 124
Suncor as WaveRider, 25
Superfund, 55, 80
Supply chain(s): auditing of, 176–177, 274–275
greener, xiii–xiv
redesign and greening of, 202–204
Supply Chain Leadership Coalition, 85
Sustainability:
awards, 293–294
challenge of, 173
Coca-Cola’s board of, 187
DuMont and, 142, 156, 187, 219
FedEx Kino’s training for, 247
Interface Flooring and, 173
managing issues of, 22
McDonalds and, 173
metrics for countries, 178
path to, 27–29
scorecards, 24
Starbucks and, 173
Unilever advisory board for, 187
Wal-Mart and, xiii, 13
Sustainable Asset Management, 24, 92, 311
Sustainable Forestry Initiative (SFI), 68
SVA. See Shareholder Value Added
Swartz, Jeff, 87, 302
Sweatshops, 202
Swigert, Jack, 158
Swiss Re, 25, 39, 94
Take-back laws. See Extended producer responsibility
Tebo, Paul, 111, 178, 179, 206, 207, 210, 211, 220–221
TechTurn recycling computers, 56
Teflon, PFOA, 52
Terrorism, 60, 94
Think tanks, 28, 67, 81, 264, 276
Tesco and carbon information on products, 85
Texas Pacific group, 96
3M:
abatement, 108
awards, 113, 224
cross-fertilization, 248, 293
environment as baseline obligation, 223
Environmental Leadership Award, 224
Environmental Marketing Claims Committee, 225, 249
“15 percent rule,” 207, 276
green chemistry, 128
hurdle rate, 212
innovation, 113, 207
Leadership Development Program (training), 244
Life Cycle Management Program, 172
Pollution Prevention Pays (3P), 106–108, 110, 113, 212, 224, 296
Post-its, 150–152, 156
solvents (VOCs), 126, 150–151, 152, 209
stewardship, 293
stretch goals, 209
training middle management, 272
trucking of product innovation, 113
as WaveRider, 25
Tide’s cold water detergent, 42
Tiffany, 8
Tillerson, Rex, 157
Timberland:
adhesives, 112–113
awards, 224
box redesign, 130, 196, 213–214
detoxification initiative, 112
environmental initiative, 302
Greenpeace and, 256
hurdle rate, 214
hybrid cars program, 216
Life Cycle Assessment, boot, 171–173
management responsibility, 220
organic cotton, 240
pairing, 213–214
pressure on suppliers, 159
price premium, 240
PVC, 256
trade-offs, 253
Time as strategic term, 147–149
Time Inc., 190, 267
TINA. See Shell
Tom’s of Maine, 87
Toshiba, 119–120
TotalFinaElf, 257
Toxic chemicals:
asbestos, 50, 79
AUDIO analysis example and, 63
business consequences, 51–52
cadmium. See Cadmium
declining biodiversity and, 47
lead. See Lead
legal liability, 50, 52
mercury. See Mercury
as top ten problem, 285
waste, 55
Toxics Release Inventory, 76, 77, 111, 158, 174
Toyota:
advertising of, 240
clean car revolution, 92
cross-fertilization, 221
Eco-Advantage, 133–134
environment as major theme, 11
as green brand, 139
lobbying, fighting regulations, 247
Paper Working Group, 190, 288
price premiums, 132, 239
Toyota (Continued)
Prius hybrid cars, 11, 87,
132–133, 221, 237, 239, 299
stock pickers, 92
stretch goals of, 208
“Toyota Way,” 267
as WaveRider, 25
as world’s largest automaker, 11, 133
Training:
eco-training, 230–232
incentives and, 243–244
Transparency and accountability, 17–18
TRI. See Toxic chemicals; Toxics Release Inventory
Triple bottom line, 22
Troon North Golf Club, 160
Trusted brands, build, 135–142
Twain, Mark, 153

Unilever:
All Small and Mighty program, 242
brand positioning, “vitality,” 139
capital investment, 212
certified fisheries, 58
concentrated detergent and, 242
executive education, 231–232
fish, cod and, 238
fish buying from sustainable sources, 31, 238
fish shortages, 31–32, 58
goals of, 208
Marine Stewardship Council and, 31, 238
Refrigerants, Naturally!, 189–190
sustainability advisory board, 187
sustainable agriculture, test farms and, 250, 268–269
water and, 45–46
as WaveRider, 25

Union Carbide’s accident in Bhopal, India, 12–13, 82
United Nations:
environment program, 189
Food and Agriculture Organization, 59
Millennium Ecosystem Assessment, 32, 44, 47
United Parcel Service (UPS), 106, 113
United States Climate Action Partnership, 191
United States Environmental Protection Agency (EPA):
Climate Leaders, 77, 312
DuPont’s use of PFOA and, 52
mercury and, 51
partnering with, 188–190
programs and awards, 77, 190
Superfund sites, 55, 80
vehicle gas emissions and, 72
United States Green Building Council, 201
United States Oil Pollution Act (1990), 80
United Technologies as WaveRider, 25
UPS. See United Parcel Service
Upstream. See Value chain

Vail, Colorado, ski resort and arson, 70
Value chain:
for cars, 167–169
design for, 245
eco-efficiency, 112–114, 297
surprises, 249
Value innovation, 123, 133. See also Innovation
Venture capital invested in clean tech (chart), 43
Victoria’s Secret. See Limited Brands
Vienna Convention, 57
Vogel, David, 22
Volatile organic compounds (VOCs):
measurement of emissions of, 175
solvents, 126, 151
3M and, 150–151
Vollbrecht, Gudmund, 155
Wagoner, Rick, 134
Walker, Brian, 164, 218
Walking the Talk: the Business Case for Sustainable Development (Holliday, Schmidheiny, and Watts), 156
Wal-Mart. See also Scott, Lee:
Acres for America program, 48
blogosphere and, 18
brand value, 299
CEO commitment (“Twenty-First Century Leadership”), 7–8, 29
eco-stores, 268
employee sustainability quest, 272
environmental initiatives, 284
as king of lean, 109
labor practices, 18
as legitimate green leader, 23
partnership, 237–238
Personal Sustainability Project, 230–231, 293
renewable energy, 7, 42
retrofit and energy savings, 109–110
scorecards for suppliers, xiii, 8, 85
self-regulation, xiii–xiv
shareholders and, 94
sprawl, 13, 48
suppliers, 85
sustainability priority, xi, 13
Unilever and, 242
Waste, 54–55, 56, 175
Waste Electrical and Electronic Equipment Directive (WEEE), 72
Waste management, 54–56, 63, 285
Waste Reduction Always Pays (WRAP), 106
Watanabe, Katsuaki, 208
Watchdogs:
government and regulators, 71–78
nongovernment organizations. See Nongovernment organizations
plaintiff’s bar, 78–79, 264
politicians, 78, 264
rulemakers and, 67, 68–79, 264, 287–288
Water, 43–46
AUDIO analysis example and, 61, 62–63 (chart)
business consequences, 45–46
golf courses, 160, 161
measurement of and use reduction, 175
oceans and, 58–59, 285
Ogallala aquifer and, 44
overview, 43–44
pollution of, 43
quality of, 44, 46
quantity of, 44–45
scarcity, 8, 44, 160
as top ten problem, 285
untreated sewage into, 44
wetlands, 45, 46
Wausau Paper, 298
WaveRiders:
community support, 90
stock market success of, 27
stock performance of, 27, 28
top 50 list, 25
unemployment, 52
what they do summary, 143–144
Websites and blogs resources, 309
Index

WEEE. See Waste Electrical and Electronic Equipment Directive
Weintraub, Mark, 127, 129, 132, 148, 189, 229. See also Shell
Welch, Jack, 91, 122
Werbach, Adam, 230
Wetlands primer, 45
White Swan label, 129, 130
Whole Foods, 53, 94, 127, 139
Wille, Chris, 183, 184, 185
Wind power, 41, 70
Winfrey, Oprah, 115–116
Woolard, Ed, 111, 158, 159, 206
World Business Council for Sustainable Development, 54, 156, 180, 190, 312
World Economic Forum (2008), 69, 178
World Environment Center, 96
World Resources Institute, 81
World Summit on Sustainable Development, xx
World Trade Center, 201
World Wildlife Fund, 69, 192, 309, 312
W.R. Grace, 50, 79
WRAP. See Waste Reduction Always Pays
Xerox:
carbon emissions, 191
corporate social responsibility, 91
toner cartridges reclaiming, 56
as WaveRider, 25
Yale University, xx, 82, 178
Yergin, Dan, 41
Young, Valerie, 151
Zedillo, Ernesto, 178
Zosel, Thomas, 108