Subject Index

Accountability, 23
Accounting separation, 43, 61
Advance-reporting system, 109
Affordability, 194
Agency for Natural Resources and Energy, 53
Allocative efficiency. See Efficiency,
Automatic adjustment scheme, 54 - 5, 69, 71 - 2
Availability, 33, 38, 115, 117, 194
Average cost pricing, 11, 26
Averch-Johnson effect, 17
Avoidable cost principle, 98

Basic Standard of Establishment of Broadcasting Stations, 159, 241
Basic water volume system, 83 - 4, 241
Beneficiary-pays principle, 41
Broadcasting industry, 151 - 3, 155 - 9, 161, 163
Broadcast Law, 151, 157 - 8, 161, 241
Broadcasting license, 161
Broadcasting Satellite, 152, 155
Broadcasting System by Use of Telecommunications Services, 161 - 2
BS. See Broadcasting Satellite, Bureau, 29 - 30, 79, 91, 105, 107, 121

Bureaucracy, 28
Bus industry. See Local bus industry,
Business diversification, 7, 104

Cabinet Office, 223 - 4, 226
Cable Television Broadcast Law, 151, 157 - 8, 241
Ceiling price, 20, 95 - 6, 99 - 100, 102, 111 - 13, 116 - 17, 241
Civil minimum, 4, 14,
Collusion, 18 - 19, 169 - 170, 183 - 4
explicit collusion, 19
tacit collusion, 19
Communication Satellite, 155
Community gas supply company. See Gas supply company,
Community water supply organization. See Waterworks organization,
Competitive market, 4
Competitive tendering, 17 - 18
Comprehensive Outsourcing, 221 - 2, 226 - 8, 241
Contracting out, 40, 84, 123, 162, 217 - 18
Corporatization, 64
Cost plus type regulation, 17, 24
Council for Regulatory Reform,
Regulatory Reform of Public Utilities

228, 241

Cream skimming, 116–17, 201
Cross-subsidization, 99, 210

CS. See Communication Satellite,

Daily living necessities, 23
Data Envelopment Analysis, 182
DEA. See Data Envelopment Analysis,

Demerit goods, 6
Designated Manager System, 85, 221–2, 228–31, 241
Destructive competition, 6, 23
Division separation, 61

Economic efficiency. See Efficiency,

Economic regulation, 5–6, 8
Economic stability, 4, 14
Economies of scale, 49, 79, 128
allocative efficiency, 34
economic efficiency, 35
inefficiency as monopoly-induced waste, 34
internal efficiency, 19, 34–5, 38, 45, 168
Pareto efficiency, 34–5
productive efficiency, 34–5, 37, 182–3
technical efficiency, 34–5,

182

X-inefficiency, 34–5, 37
Electric Power Development Company, 51–2, 57, 59
Electric power industry, 6, 49–50, 54–5, 57, 60, 62–3, 65, 69, 71, 137, 171–2,
174–6, 180, 184–5
Electric Power System Council of Japan, 51, 53, 61, 64, 241
Electricity company, 50–53, 55, 57–63, 171–5, 180–
81, 242, 244–5
general electricity company, 50–53, 55, 57–61, 63, 171–3, 180–81, 242
power producer and supplier company, 50–
52, 58–9, 61, 244
special electricity company, 50–53, 58–9, 61, 245
wholesale electricity company, 50–53, 58, 61, 245
Electricity Enterprise Law, 51–2, 242
Electricity rate, 53–7, 62
EMS. See Express Mail Service,

Enforcement Regulation of the Railway Business Law, 98, 242
Enforcement Regulation of the Telecommunications Business Law, 194, 242
Entry regulation, 6–8, 10, 14, 71, 81, 92–3, 101–2, 105, 109, 116, 121, 128, 141, 145–7, 150–51, 158
Subject Index

Environmental regulation, 6–8
Essentiality, 194
Essentials for daily living, 23
Excess facilities, 17
Exit regulation, 6–8, 81, 92–4, 102, 105, 109, 116, 141, 145–6
Explicit collusion. See Collusion.
Express Mail Service, 189
Externalities, 3–4, 7, 13, 23, 99, 188
External diseconomies, 6, 13, 63
External effects, 23
pecuniary external effects, 23
technical external effects, 23
Failure in regulation, 21, 22
Fair rate of return, 15–17, 24
Fair rate of return regulation. See Rate of return regulation,
Fair return, 15–16
Fare based on block-km. See Fare system,
Fare based on km. See Fare system,
Fare regulation, 95–6, 105, 111, 116
Fare revision, 19, 22, 112, 168, 178, 210, 228
Fare system, 97–8
fare based on block-km, 97
fare based on km, 97
flat fare, 97–8
zone fare, 97
Flat fare. See Fare system,
Franchise, 4, 17–19, 35, 126, 208
franchise bidding, 4, 17–18
franchising system, 18
Franchise bidding. See Franchise,
Franchising system. See Franchise,
Free rider problem, 13, 26
Full cost principle, 4, 11, 15–16, 55, 69, 95–6, 111
Full privatization. See Privatization,
Functional separation, 43, 45, 206, 208, 216, 219–20
Gas supply company, 66–8, 71–3, 237, 241–3
community gas supply company, 66–7, 241
gas transmission and distribution company, 66–7, 73, 242
general gas supply company, 66–7, 71–2, 242
large-scale gas supply company, 66–7, 71, 237
Gas transmission and distribution company. See Gas supply company
Gas Utility Enterprise Law, 66, 71–3, 242
Gas utility industry, 65, 68–9, 71, 73–4, 171, 175–8, 185
Gas utility rate, 68, 74
General electricity company. See Electricity company
General gas supply company. See Gas supply company
General water supply organization. See Waterworks organization
Government failure, 23
Government intervention, 22
Government involvement, 3–5, 26–7
Highway Company Law, 214, 242
Horizontal separation, 43, 45, 183, 206, 208, 212–13
Imperfect competition, 23
Imperfect information, 3–4, 6, 13–14
Incentive regulation, 4, 17, 19, 167
Income redistribution, 14, 22
Increasing return to scale, 8
Incumbent, 14, 18, 59, 102–3, 146, 187
Independent Power Producer, 51–2, 59, 61, 242
Inefficiency. See Efficiency
Infrastructure organization, 93
Integrated rail organization, 93
Internal efficiency. See Efficiency
Investment regulation, 6–7
IPP. See Independent Power Produce
Japan Electric Power Exchange, 51, 53, 60–61, 242
Japan Expressway Holding and Debt Repayment Agency, 212, 220, 242
Japan National Railways, 8, 14, 18, 22, 32–3, 40, 43, 89, 91–2, 100, 104, 178, 183, 203, 206–7, 209, 211, 219, 242
Japan National Railway Law, 92, 100, 242
Japan National Railway Settlement Corporation, 206, 209, 243
Japan Post, 45, 121–2, 124–8, 131–5, 201, 204, 214–6, 243
Japan Post Bank. See Japan Post companies
Japan Post companies, 122–3, 126, 128–9, 132, 191, 193, 216–9, 243
Japan Post Bank, 122–3, 132, 216–8, 243
Japan Post Holding Company, 122–3, 132, 193, 216–8, 243
Japan Post Network, 122–3, 126, 132, 191, 216–9, 243
Japan Post Service, 122–3, 126, 128–9, 132, 191, 216–9, 243
Japan Post Holding Company. See Japan Post companies
Japan Post Network. See Japan Post companies
Japan Post Public Corporation, 30, 121, 126, 131, 134, 187, 189, 203, 205, 214–17, 220, 243
Japan Post Service. See Japan Post companies
JR Central. See JR companies
JR companies, 18, 43, 59, 91–3, 98, 100, 103, 170, 183, 206–10, 219–20
JR Central, 91–2, 206–8, 219
JR East, 59, 91–3, 206–8, 219
JR Freight, 93, 98, 100, 206–9, 219
JR Hokkaido, 91, 206–9,
Subject Index

219
JR Kyushu, 91, 206–9, 219
JR Shikoku, 91, 206–9, 219
JR West, 91–3, 103, 206–8, 219
JR East. See JR companies
JR Freight. See JR companies
JR Hokkaido. See JR companies
JR Kyushu. See JR companies
JR Shikoku. See JR companies
JR West. See JR companies

KDDI, 137, 139, 140, 143–4

Labor unions, 33, 205
Large private railways, 8, 91, 93, 96, 98, 100–101, 168, 170, 178, 181, 243
Large-scale gas supply company. See Gas supply company
Legal separation, 61
Liberalization, 5, 8, 40, 49–50, 52–5, 57–60, 63, 65, 68, 71–4, 101, 121, 130–32, 137
Liberalized rate, 55
License, see License system
License system, 13–4, 92, 100–102, 109, 116, 128, 157–8, 161, 243
Light parcel mail, 130–31
Local Autonomy Law, 85, 228, 243
Local bus industry, 105, 117
Local Independent Administrative Institution, see Local Independent Administrative Institution Scheme
Local Independent Administrative Institution Scheme, 221–2, 233–4, 243
Local Independent Administrative Law, 233, 243
Local Public Corporation Law, 81–2, 99, 113, 243
Local Railway Law, 92, 100, 243
Management Stability Fund, 207, 209, 219–20, 243
Managerial efficiency. See Efficiency
Marginal cost pricing, 10, 26, 45
Market failure, 3–4, 6, 14, 21, 23, 26, 31
Market mechanism, 4, 29
Marketability, 28–9, 42
Merit goods, 4, 14, 45, 188
M-form, 186
Monitoring, 17, 18, 23, 30, 38
Monopoly, 8–10, 18, 21, 26, 34–5, 38, 66, 81, 102, 128, 132, 146, 168, 202, 237–8
Monopoly price, 181
Moral hazard, 185
Natural monopoly, 4, 6, 8, 26, 237–8
Net avoidable cost approach, 201
Network externalities, 188
NHK, 13, 152–3, 155, 157, 204
Non-excludability, 11–12, 26–7
Non-rivalry in consumption, 11–12, 26–7
NTT, 40, 137–42, 146–7, 150, 187, 194–5, 197, 203–4
NTT Communications. See NTT group
Regulatory Reform of Public Utilities

NTT Data. See NTT group
NTT Docomo. See NTT group
NTT East Japan. See NTT group
NTT group, 139–44, 147, 149–50, 194–5, 197–8, 200
NTT Communications, 139–40, 147, 195
NTT Data, 139–40, 147
NTT Docomo, 139–40, 143–4, 147
NTT East Japan, 139, 141, 143–4, 147, 149–50, 194–5, 197–8, 200
NTT Stockholding Company, 139–40, 147
NTT West Japan, 139–44, 147, 149–50, 194–5, 197–8, 200
NTT Stockholding Company. See NTT group
NTT West Japan. See NTT group

Operation-infrastructure separation, 93
Ordinal post office, 125–6, 133–4, 244

Pareto efficiency. See Efficiency
Pareto optimal, 4, 34–5
Partial privatization. See Privatization
Pecuniary external effects. See External Effects
Permission, see Permission system
Permission system, 6, 22, 59–60, 66, 81, 92–4, 101–2, 109, 111, 116, 128, 132, 145–6, 158, 225, 229, 244
Personal Correspondence Mail Service Law, 128, 132, 244
PFI. See Private Finance Initiative
Postal Law, 189–90, 193, 244
Postal Network Enforcement Regulation, 130, 244
Postal Network Law, 190, 244
Postal Service Bureau, 121
Postal Service Enforcement Regulation, 130, 189–90, 244
Postal service industry, 121, 131–2, 189, 191, 201
Power producer and supplier, 50–52, 58–9, 61, 171, 244
Power producer and supplier company. See Electricity company
PPS. See Power Producer and Supplier
Price-cap, 20, 143, 148
Price-cap regulation, 4, 20, 100, 141–2, 147
Price ceiling, see Ceiling price
Price regulation, 6–8, 11, 14, 49, 54, 65, 68, 72, 81, 121, 128–9, 141–2, 145, 150–51, 158
Price revision, 16
Principle of de-concentration of the mass media, 155
Private Finance Initiative, 221–6, 234–5
Private sector style management,
Subject Index

Private water supply organization. See Waterworks organization
Privatization, 5, 14, 25, 39–43, 45, 64, 89, 91–92, 100, 104, 121–2, 125–7, 130–33, 135, 137, 140, 146, 150, 178, 183–4, 189, 193, 195, 201, 203–20, 222
full privatization, 39, 40, 42–3, 214, 216–18 partial privatization, 39
Productive efficiency. See Efficiency
Productivity, 20, 62, 104, 115, 143, 178, 180, 219
Profit sharing, 4, 21
Property rights theory, 25–6, 33–4, 4, 38
Public choice theory, 25, 33–34
Public enterprise. See Public corporation
Public goods, 3–4, 11–2, 26–7, 157
pure public goods, 12
Public independent agency, 29–31
Public interest, 26–9, 33, 42, 102, 158
Public utility industries, 3–9, 11–12, 14–16, 19–20, 22, 25–6, 28, 32, 36–7, 43, 45, 55, 84, 105, 121, 130, 133, 137, 167, 170, 180, 183, 185–8, 204
Publicness, 28–9
Pure public goods. See Public goods
Qualitative regulation, 6, 23
Quantitative regulation, 6, 23
Radio Law, 151, 157–8, 161, 244
Rail fare, 41, 95–9, 102, 170, 205, 219
Rail operation organization, 93
Rail track fee, 89, 98
Railway Accounting Regulations, 99, 244
Railway Business Law, 92, 94–5, 98–102, 242, 244
Railway industry, 15, 20, 84, 89, 92, 95, 99, 100, 105, 172, 181, 209, 213
Rate base, 15–7
Rate of return regulation, 4, 15–17, 21, 24
Regional balance, 4, 14
Regional council, 94–5, 109–11, 113, 116, 244
Regional separation. See Regional subdivision
Regional subdivision, 43, 183, 206, 208, 210–11, 213, 220
Register system, 6, 141, 150
Regulated rate, 55
Regulation for non-utility service,
Rent-seeking costs, 22–3
Report in advance, 93, 109, 244
Report system, 6, 53–5, 60, 68–9, 72, 82, 93, 96, 100, 109, 111, 115–17, 128
–9, 141–5, 147–8, 150, 158, 198, 244
Resource allocation, 4–5, 8, 13–14, 20, 34–5
Restructuring method, 45
Risk, 23, 32, 63, 170, 223–4
Road Transportation Law, 109, 115–16, 244

Safety regulation, 6–8
Scale economies. See Economies of scale
Scarcity of resources, 8
Search costs, 13
Second best solution, 10
Service quality regulation, 6
Sliding scale, 21
Social and Regional Maintenance Fund, 132, 218, 245
Social regulation, 5–6, 13, 23
Soft-budget hypothesis, 33, 38
Special electricity company. See Electricity company
Special Law on the Merger of Municipalities, 79, 245
Special post office, 125–6, 133–5, 215, 245
Standard cost, 96, 99, 104, 111–13, 170, 179–80, 185, 199
Stochastic frontier model, 182
Subadditivity in costs, 8
Subdivision of government, 29–31
Summary post office, 125–7, 134, 245

Sunk costs, 18
Supply-demand adjustment regulation, 115, 245
Tacit collusion. See Collusion
Technical external effects. See External effects
Telecommunications Business Dispute Settlement Commission, 144, 149
Telecommunications Business Law, 141, 145, 147, 149, 194, 242
Telecommunications industry, 5, 137, 139, 141–2, 145–6, 149, 151, 170, 187–8
–8, 194, 196–7
Telephone rate, 143, 147
TFP. See Total factor productivity
Third sector, 30–31, 41, 91
Total factor productivity, 62, 219
Transaction costs, 19–20, 163
Transportation Council, 112
Transport industry, 87
Trust-Entrust Broadcasting System, 161–2, 245
Two-part tariffs, 56, 70, 82

U-form, 186
Unbundling, 43
Uncertainty, 19, 23
Unfair treatment, 5, 8, 60, 68
Universal service, 128, 129, 158, 187–90, 193–5, 197–8, 201
Universal service cost, 187, 194, 197–201
Subject Index

Universal service obligation cost.
See Universal service cost

Universal service obligation fund, 214

USO. See Universal service obligation

Utility industries. See Public utility industries

Vertical integration, 79, 93, 203, 206, 209, 220

Vertical separation, 43, 163, 203, 209, 211–13, 220

Water rate, 81–2

Water supply industry, 75–7, 79–82, 84–5, 168, 171, 227, 234

Water supply organization. See Waterworks organization

Waterworks Law, 77, 81, 84, 222, 227, 245

Waterworks organization, 76–85, 227, 241–2, 244–5

community water supply organization, 77–8, 241
general water supply organization, 77–80, 242
private water supply organization, 77–8, 244

water supply organization, 76–7, 79–85, 227, 245

wholesale water supply organization, 78, 245

Welfare, 4, 27–8, 32, 35, 84, 128, 169, 189, 224, 230–1, 237–8

Wholesale electricity company.
See Electricity company

Wholesale water supply organization. See Waterworks organization

X-inefficiency. See Efficiency

Yardstick competition, 18, 45, 103, 170–71, 179–80, 182–3, 186, 210, 220


Zone fare. See Fare system