

Industry Trends in Relation to CO2 Emissions Intensity and to Energy Consumption Intensity

Industries	Type of index (=the industry's target is set in terms of this index)	Fiscal 1990	Fiscal 1997	Fiscal 1998	Fiscal 1999	Fiscal 2000	Fiscal 2001	Fiscal 2002
Federation of Electric Power Companies	Index of CO2 emissions intensity()	1	0.88	0.85	0.89	0.90	0.90	0.97
Petroleum Association of Japan	Index of CO2 emissions intensity	1	0.92	0.92	0.91	0.89	0.90	0.90
	Index of energy intensity()	1	0.92	0.92	0.89	0.87	0.87	0.87
Japan Gas Association	Index of CO2 emissions intensity()	1	0.57	0.53	0.50	0.45	0.41	0.41
	Index of energy intensity	1	0.53	0.50	0.47	0.43	0.39	0.38
Japan Iron and Steel Federation	Index of CO2 emissions intensity	1	0.97	0.96	0.96	0.95	0.95	0.94
	Index of energy intensity	1	0.97	0.96	0.96	0.95	0.95	0.94
Japan Chemical Industry Association	Index of CO2 emissions intensity	1	0.92	0.91	0.90	0.92	0.92	0.92
	Index of energy intensity()	1	0.94	0.94	0.92	0.92	0.92	0.91
Cement Association of Japan	Index of CO2 emissions intensity	1	1.02	1.02	1.02	1.02	1.02	1.01
	Index of energy intensity()	1	0.99	0.99	0.98	0.98	0.98	0.97
Japan Paper Association	Index of CO2 emissions intensity	1	0.96	0.99	0.95	0.96	0.99	0.97
	Index of energy intensity()	1	0.95	0.97	0.93	0.93	0.95	0.93
Communications Industry Association of Japan; Japan Electronics and Information Technology Industries Association; Japan Electrical Manufacturers' Association; Business Machine and Information System Industries Association	Index of CO2 emissions intensity()	1	1.02	1.01	1.04	1.02	1.11	1.18
	Index of energy intensity	1	1.13	1.12	1.12	1.10	1.18	1.18
Japan Federation of Construction Contractors	Index of CO2 emissions intensity()	1	0.97	0.95	0.94	0.90	0.92	0.97
	Index of energy intensity	1	0.97	0.95	0.95	0.89	0.90	0.93
Japan Auto Parts Industries Association	Index of CO2 emissions intensity	1	0.95	0.95	0.94	0.88	0.87	0.89
	Index of energy intensity	1	1.07	1.09	1.04	0.95	0.93	0.92
Japan Mining Industry Association	Index of CO2 emissions intensity	1	0.92	0.93	0.90	0.87	0.88	0.87
	Index of energy intensity()	1	0.95	0.97	0.95	0.88	0.91	0.91
Japan Lime Association	Index of CO2 emissions intensity	1	0.88	0.85	0.85	0.86	0.83	0.84
	Index of energy intensity	1	0.90	0.88	0.88	0.88	0.85	0.84
The Japan Rubber manufacturers Association	Index of CO2 emissions intensity	1	0.97	0.97	0.95	0.93	0.94	0.96
	Index of energy intensity()	1	1.02	1.04	1.00	0.96	0.97	0.96
Flat Glass Association of Japan	Index of CO2 emissions intensity	1	1.15	1.17	1.09	1.10	1.11	1.12
	Index of energy intensity	1	1.14	1.18	1.10	1.10	1.11	1.12
Federation of Pharmaceutical manufactures' Association of Japan; Japan Pharmaceutical manufacturers Association	Index of CO2 emissions intensity	1	0.89	0.91	0.92	0.88	0.83	0.82
	Index of energy intensity	1	0.97	1.01	0.98	0.93	0.88	0.86
Japan Aluminum Association	Index of CO2 emissions intensity	1	0.94	0.95	0.94	0.93	0.97	0.96
	Index of energy intensity()	1	0.99	1.00	0.98	0.94	0.97	0.95
Brewers Association of Japan	Index of CO2 emissions intensity	1	0.99	0.95	0.91	0.87	0.84	0.83
	Index of energy intensity	1	1.03	1.02	0.98	0.92	0.90	0.86
Japan Electric Wire and Cable Makers' Association(Copper and aluminum)	Index of CO2 emissions intensity	1	0.97	1.04	1.11	1.07	1.11	1.10
	Index of energy intensity	1	1.07	1.17	1.21	1.12	1.16	1.10
Japan Electric Wire and Cable Makers' Association(Optical fiber cable)	Index of CO2 emissions intensity	1	0.77	0.72	0.58	0.44	0.40	0.44
	Index of energy intensity()	1	0.85	0.81	0.63	0.46	0.40	0.42
Japan Dairy Industry Association	Index of CO2 emissions intensity	1	1.01	1.04	1.06	1.09	1.20	1.14
	Index of energy intensity()	1	1.03	1.03	1.03	1.05	1.14	1.14
Japan Society of Industrial Machinery Manufacturers	Index of CO2 emissions intensity()	1	1.00	1.11	1.12	1.17	1.22	1.22
	Index of energy intensity	1	1.02	1.09	1.05	1.10	1.10	1.10
Japan Brass Makers Association	Index of CO2 emissions intensity	1	0.88	0.87	0.87	0.85	0.89	0.88
	Index of energy intensity()	1	0.97	0.96	0.94	0.89	0.92	0.88
Japan Bearing Industrial Association	Index of CO2 emissions intensity()	1	1.02	1.05	1.05	1.10	1.13	1.13
Japan Sugar Refiners' Association	Index of CO2 emissions intensity	1	0.94	0.94	0.95	0.95	0.97	0.93
	Index of energy intensity	1	1.01	1.01	1.02	1.01	1.03	0.97
Japan Coal Energy Center	Index of CO2 emissions intensity	1	0.70	0.74	0.75	0.99	0.91	0.75
	Index of energy intensity	1	0.93	1.01	0.99	1.20	1.10	0.88
Japan Sanitary Equipment Industry Association	Index of CO2 emissions intensity	1	0.81	0.82	0.83	0.80	0.83	0.80
	Index of energy intensity	1	0.89	0.91	0.91	0.86	0.86	0.82
The Japan Soft Drinks Association	Index of CO2 emissions intensity()	1	0.99	1.00	1.02	1.08	1.05	1.10
	Index of energy intensity()	1	1.05	1.08	1.11	1.16	1.14	1.19
Limestone Association of Japan	Index of CO2 emissions intensity	1	0.90	0.95	0.97	0.97	0.98	0.94
	Index of energy intensity()	1	0.96	1.01	1.02	0.99	0.99	0.92
Japan Machine Tool Builder's Association	Index of CO2 emissions intensity	1	1.00	1.01	1.19	1.08	1.07	1.37
	Index of energy intensity()	1	1.00	1.04	1.17	1.06	1.06	1.29
Flour Millers Association	Index of CO2 emissions intensity()	1	1.00	0.92	0.95	0.97	0.96	1.03
	Index of energy intensity()	1	1.06	1.04	1.02	0.99	0.98	1.00
The Shipbuilders' Association of Japan	Index of energy intensity()	1	0.96	0.91	0.81	0.88	0.90	0.95
The Cooperative Association of Japan Shipbuilders	Index of energy intensity()	1	0.92	0.97	0.88	0.87	0.88	0.87

Note1: The Japan Automobile Manufacturers Association, Japan Federation of Housing Organizations, Japan Auto-body Industries Association, Japan Industry Vehicles Association and Japan Association of Rolling Stock define their targets in terms of CO2 emissions or reductions in energy consumed and do not release data on intensity. Hence these industries are not listed in the above table

Note2: The Japan Machine Tool Builders' Association, the Japan Dairy Industry Association, the Japan Society of Industrial Machinery Manufacturers and the Japan Bearing Industrial Association use fiscal 1997 as their base year