

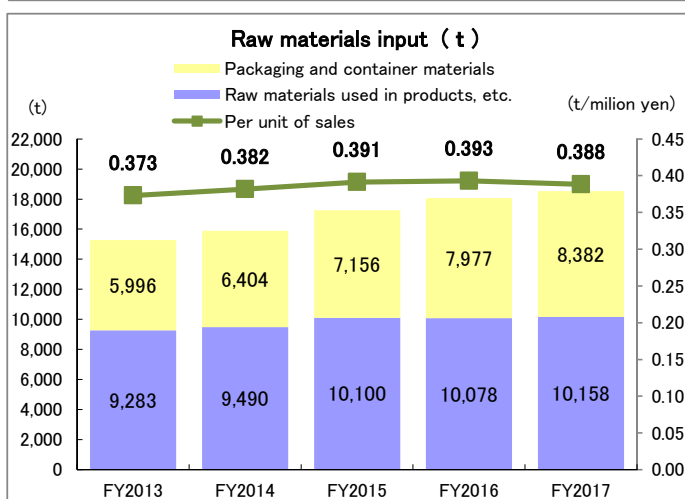
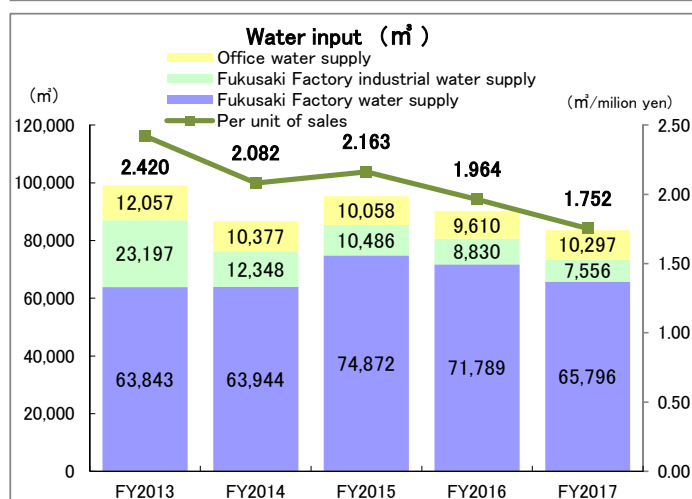
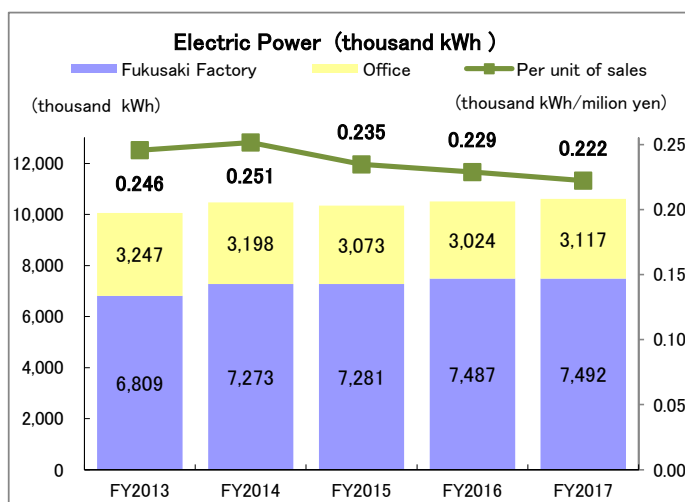
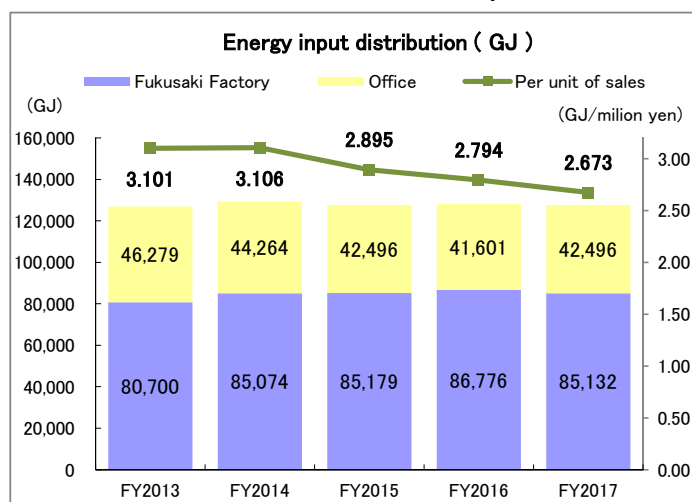
Main Environmental Indicators (5 Years)

1. Environmental Impact of Business Activities by the Mandom Group in Japan

Data gathered from: 1 manufacturing location, 10 non-manufacturing locations, 1 consolidated subsidiary, and 1 non-consolidated subsidiary
 Data collection period: April of the year shown to March of the following year

Reporting Content	Unit	Apr. 2013 to Mar. 2014	Apr. 2014 to Mar. 2015	Apr. 2015 to Mar. 2016	Apr. 2016 to Mar. 2017	Apr. 2017 to Mar. 2018
		FY2013	FY2014	FY2015	FY2016	FY2017
INPUT						
Energy input	GJ	126,979	129,338	127,675	128,377	127,628
Electric power	thousand kWh	10,056	10,470	10,354	10,511	10,609
Gas	m ³	20,457	20,175	20,929	19,838	20,035
LP Gas	m ³	1,671	1,981	1,988	1,852	1,527
City Gas	m ³	18,786	18,194	18,941	17,986	18,508
Kerosene	kl	369	368	367	355	309
Gasoline	kl	377	350	333	323	322
Water input	m ³	99,097	86,669	95,416	90,229	83,649
Water supply	m ³	75,900	74,321	84,930	81,399	76,093
Industrial water supply	m ³	23,197	12,348	10,486	8,830	7,556
Raw materials used in products, etc.	t	9,283	9,490	10,100	10,078	10,158
PRTR-listed raw materials in use	t	69	46	102	96	91
Other raw materials in use	t	9,214	9,443	9,998	9,982	10,066
Packaging and container materials	t	5,996	6,404	7,156	7,977	8,382
Materials to which recycling laws apply	t	3,314	3,563	4,083	4,380	4,695
Others *1	t	2,682	2,842	3,073	3,597	3,687

*1 Amount of materials used in distribution are yet to be calculated.

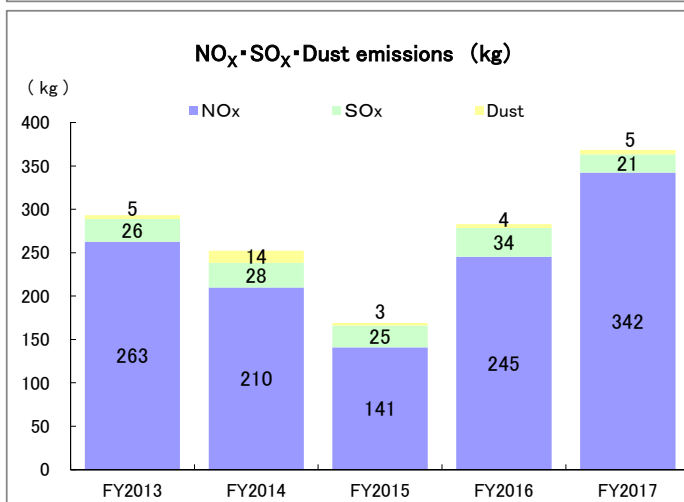
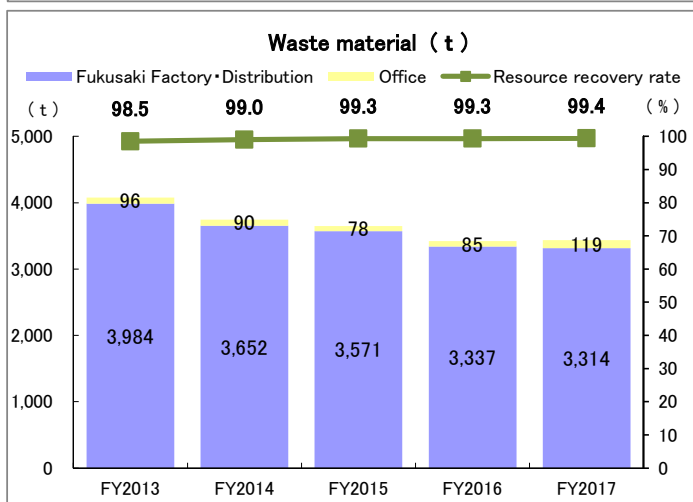
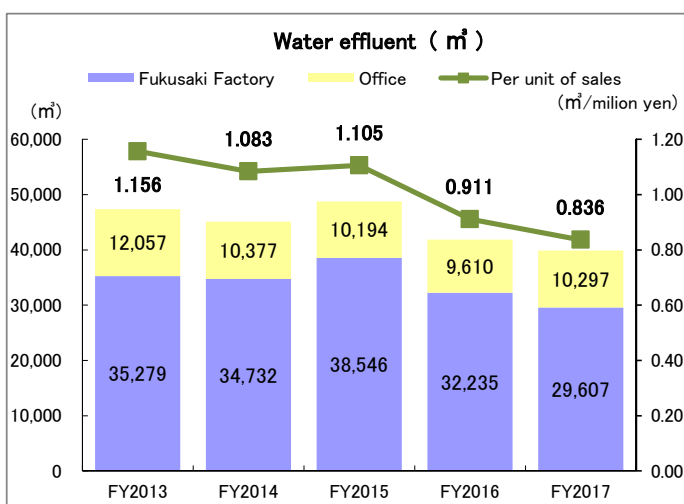
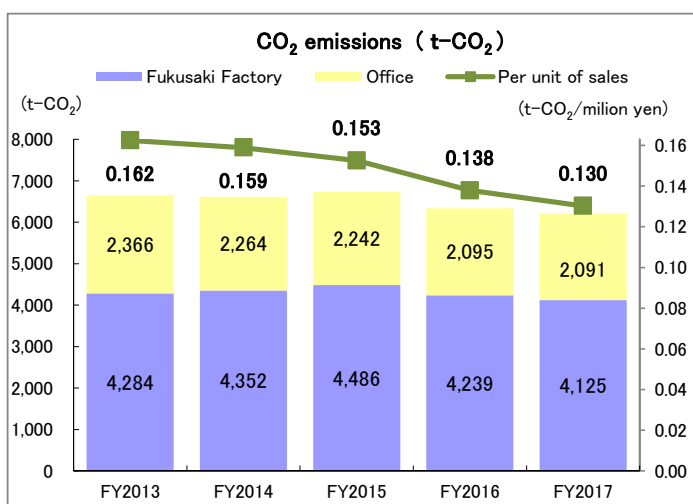


Reporting Content	Unit	Apr. 2013 to Mar. 2014	Apr. 2014 to Mar. 2015	Apr. 2015 to Mar. 2016	Apr. 2016 to Mar. 2017	Apr. 2017 to Mar. 2018
		FY2013	FY2014	FY2015	FY2016	FY2017
OUTPUT						
CO ₂ emissions (Scope 1+2)	t-CO ₂	6,650	6,616	6,729	6,334	6,216
Fukusaki Factory	t-CO ₂	4,284	4,352	4,486	4,239	4,125
Office	t-CO ₂	2,366	2,264	2,242	2,095	2,091
Water effluent	m ³	47,336	45,109	48,740	41,845	39,904
Fukusaki Factory	m ³	35,279	34,732	38,546	32,235	29,607
Office	m ³	12,057	10,377	10,194	9,610	10,297
Waste material *2	t	4,080	3,743	3,649	3,422	3,433
Fukusaki Factory, distribution	t	3,984	3,652	3,571	3,337	3,314
Office	t	96	90	78	85	119
Sulfur oxide (SO _x) emissions	kg	26	28	25	34	21
Nitrogen oxide (NO _x) emissions	kg	263	210	141	245	342
Dust emissions	kg	5	14	3	4	5

*2 From FY2017 onward, waste materials for promotional items are included in calculations.

Per Unit of Sales

Reporting Content	Unit	FY2013	FY2014	FY2015	FY2016	FY2017
Energy input	GJ/million yen	3.101	3.106	2.895	2.794	2.673
CO ₂ emissions	t-CO ₂ /million yen	0.162	0.159	0.153	0.138	0.130
Water input	m ³ /million yen	2.420	2.082	2.163	1.964	1.752



CO₂ emissions falling under Scope 1 and Scope 2

Reporting Content	Unit	Apr. 2013 to Mar. 2014	Apr. 2014 to Mar. 2015	Apr. 2015 to Mar. 2016	Apr. 2016 to Mar. 2017	Apr. 2017 to Mar. 2018
		FY2013	FY2014	FY2015	FY2016	FY2017
CO ₂ emissions	t-CO ₂	6,650	6,616	6,729	6,334	6,216
Scope 1	t-CO ₂	1,846	1,781	1,742	1,685	1,566
Scope 2	t-CO ₂	4,804	4,835	4,987	4,648	4,649

Energy input and CO₂ emissions falling under under Scope 3, Category 4:

Indirect emissions from upstream transportation and distribution

Reporting Content	Unit	FY2013	FY2014	FY2015	FY2016	FY2017
Energy input in distribution	GJ	28,878	31,111	31,498	32,715	33,130
Diesel fuel *3	GJ	28,474	30,734	31,125	32,312	32,722
B·C Heavy oil	GJ	404	378	373	403	408
CO ₂ emissions in distribution	t-CO ₂	1,962	2,121	2,148	2,229	2,259
by truck *4	t-CO ₂	1,898	2,069	2,096	2,174	2,204
by ship *5	t-CO ₂	28	27	26	28	29
by railroad *5	t-CO ₂	35	25	26	27	26

Note: GHG emissions are calculated for each scope based on Greenhouse Gas Protocol definitions.

Scope 1: all direct GHG emissions.

Scope 2: indirect GHG emissions from consumption of purchased electricity, heat or steam.

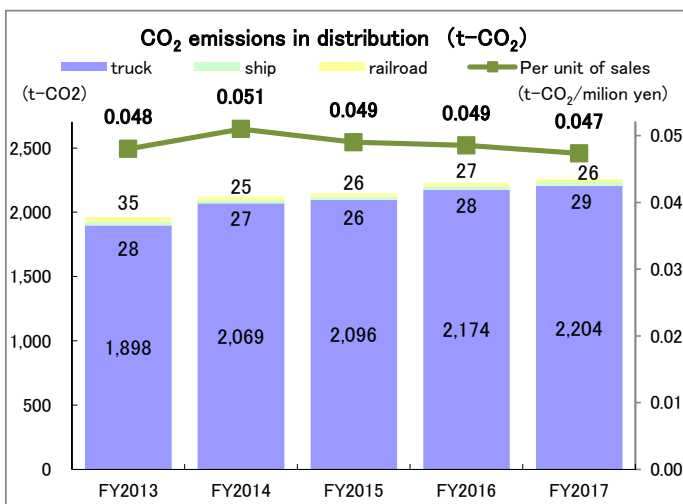
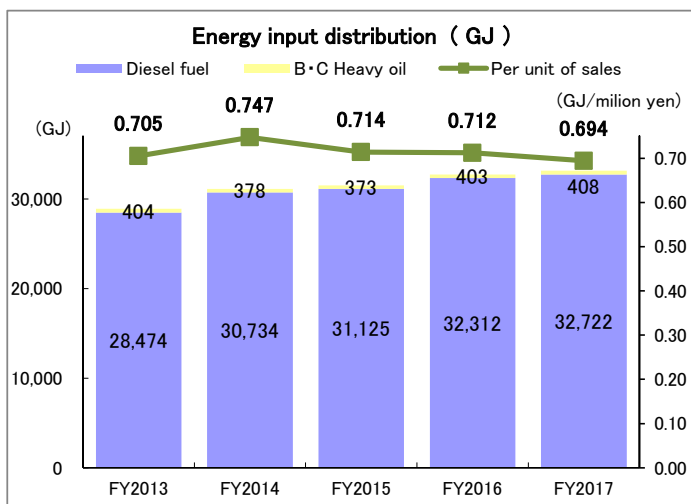
*3 Emissions for modal shift-implemented transport areas are calculated based on conversion to diesel.

*4 Calculation based on revised ton-kilometer method (described in Energy Conservation Act).

*5 Calculation based on original ton-kilometer method (described in Energy Conservation Act).

Per Unit of Sales

Reporting Content	Unit	FY2013	FY2014	FY2015	FY2016	FY2017
CO ₂ emissions distribution	t-CO ₂ /million yen	0.048	0.051	0.049	0.049	0.047



Amount and Emissions of PRTR-listed Substances and Movement (FY2017)

(unit: kg)

Class I Designated Chemical Substance	Amount Used	Emissions and Movement
Water-soluble zinc compounds	1,048	118
Methyl 4-hydroxybenzoate	5,449	148
Poly(oxyethylene) alkyl ether	2,363	38
Sodium poly(oxyethylene) dodecyl ether sulfonate	70,141	1,201
Xylene *	2,470	12
Ferric chloride	7,662	0

Substances used in volume of one ton or more.

* Xylene indicates emission amount

2. Graphs of Main Environmental Data

Japanese data gathered from: 1 manufacturing location, 10 non-manufacturing locations, 1 consolidated subsidiary, and 1 non-consolidated subsidiary
 Overseas data gathered from: 2 manufacturing locations, 9 consolidated subsidiaries, and 1 equity method affiliate
 Data collection period: Japan (April of the year shown to March of the following year)
 Overseas (January to December of the year shown)

Reporting Content	Unit	Apr. 2013 to Mar. 2014	Apr. 2014 to Mar. 2015	Apr. 2015 to Mar. 2016	Apr. 2016 to Mar. 2017	Apr. 2017 to Mar. 2018
		FY2013	FY2014	FY2015	FY2016	FY2017
INPUT						
Energy input	GJ	426,722	434,218	456,678	479,634	454,043
Japan	GJ	126,979	129,338	127,675	128,377	127,628
Overseas	GJ	299,743	304,880	329,003	351,257	326,415
Electric power	thousand kWh	36,432	37,379	40,342	42,327	40,205
Japan	thousand kWh	10,056	10,470	10,354	10,511	10,609
Overseas	thousand kWh	26,376	26,909	29,988	31,816	29,596
LP Gas/LN Gas	m ³	36,327	60,640	58,223	52,747	47,433
City Gas	m ³	18,786	18,194	18,941	17,986	18,508
Gasolin	kl	893	841	789	835	695
Kerosene	kl	369	368	367	355	309
Diesel fuel	kl	462	471	331	392	454
Water input	m ³	324,514	301,813	287,243	314,525	352,766
Water supply	m ³	289,268	287,349	276,757	277,899	297,829
Japan	m ³	75,900	74,321	84,930	81,399	76,093
Overseas	m ³	213,368	213,028	191,827	196,500	221,736
Industrial water supply	m ³	35,247	14,464	10,486	36,626	54,937
Japan	m ³	23,197	12,348	10,486	8,830	7,556
Overseas	m ³	12,050	2,116	0	27,796	47,381

OUTPUT						
CO ₂ emissions (Scope 1+2)	t-CO ₂	29,027	29,427	31,413	32,673	30,701
Japan *6	t-CO ₂	6,650	6,616	6,729	6,334	6,216
Overseas *7	t-CO ₂	22,377	22,811	24,684	26,340	24,486
Waste material	t	4,885	4,540	4,523	4,201	5,484
Japan	t	4,080	3,743	3,649	3,422	3,433
Overseas	t	805	797	875	779	2,051
Remaining waste after treatment	t	235	202	380	451	1,048
Japan	t	27	29	26	25	22
Overseas	t	207	174	354	426	1,027

*6 Energy consumption calculated based on formulas in the Japanese Act on the Rational Use of Energy.

*7 Overseas CO₂ emission coefficients by country are drawn from CO₂ Emissions from Fuel Combustion: Highlights, 2013 Edition.

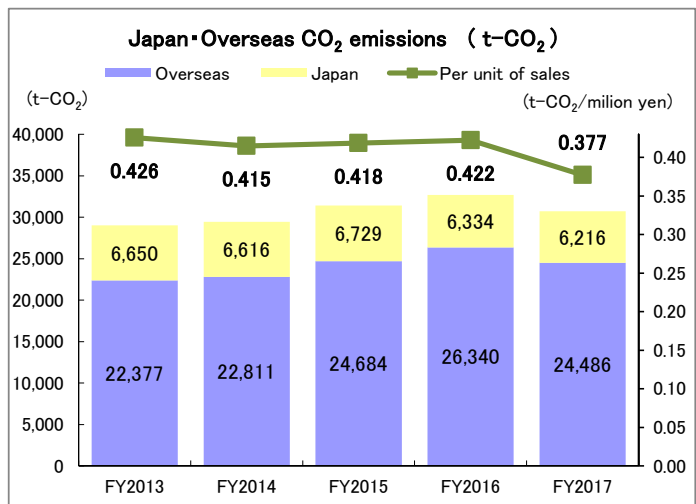
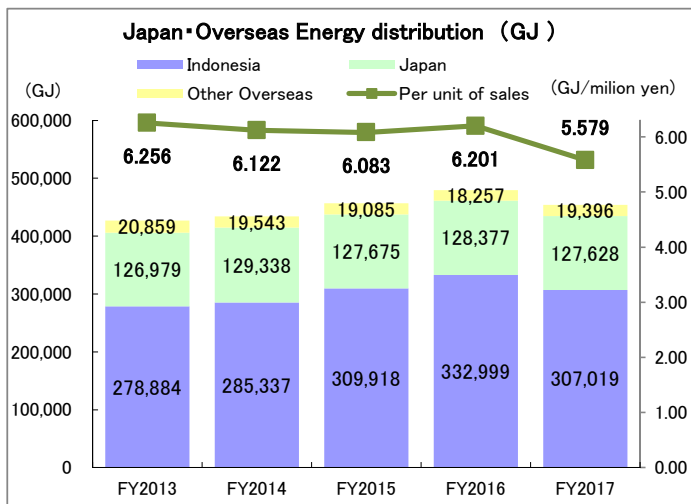
Source: IEA. Fiscal year CO₂ emission coefficients for Japan are based on data from individual electric power producers.

CO₂ emissions falling under Scope 1 and Scope 2

Reporting Content	Unit	Apr. 2013 to Mar. 2014	Apr. 2014 to Mar. 2015	Apr. 2015 to Mar. 2016	Apr. 2016 to Mar. 2017	Apr. 2017 to Mar. 2018
		FY2013	FY2014	FY2015	FY2016	FY2017
CO ₂ emissions	t-CO ₂	29,027	29,427	31,413	32,673	30,701
Scope 1	t-CO ₂	4,342	4,300	3,813	4,030	3,732
Scope 2	t-CO ₂	24,685	25,127	27,601	28,643	26,970

Per Unit of Sales

Reporting Content	Unit	FY2013	FY2014	FY2015	FY2016	FY2017
Energy input	GJ/million yen	6.256	6.122	6.083	6.201	5.579
CO ₂ emissions	t-CO ₂ /million yen	0.426	0.415	0.418	0.422	0.377



Reference: Japanese CO₂ emission calculation coefficient

Reporting Content	Apr. 2013 to Mar. 2014	Apr. 2014 to Mar. 2015	Apr. 2015 to Mar. 2016	Apr. 2016 to Mar. 2017	Apr. 2017 to Mar. 2018
	FY2013	FY2014	FY2015	FY2016	FY2017
Electric power					
Hokkaido Electric Power Co., Inc.	0.688	0.678	0.683	0.669	0.632
Tohoku Electric Power Co., Inc.	0.600	0.591	0.571	0.556	0.545
TEPCO Energy Partner, Inc.	0.525	0.531	0.505	0.500	0.486
CHUBU Electric Power Co., Inc.	0.516	0.513	0.497	0.486	0.485
The Kansai Electric Power Co., Inc.	0.514	0.522	0.531	0.509	0.640
The Chugoku Electric Power Co., Inc.	0.738	0.719	0.706	0.697	0.509
Kyushu Electric Power Co., Inc.	0.612	0.613	0.584	0.509	0.462
ENNET Corp.	0.429	0.423	0.454	0.418	0.405
Tepeco Customer Service Corp.	—	—	—	0.419	0.508
Kerosene	2.489	2.489	2.489	2.489	2.489
LP Gas	3.000	3.000	3.000	3.000	3.000
City Gas	2.234	2.234	2.234	2.234	2.234
Gasoline	2.322	2.322	2.322	2.322	2.322
Diesel fuel	2.585	2.585	2.585	2.585	2.585
B·C Heavy oil	39	39	39	39	39

Note: Calculations are based on the Japanese government's Act on the Rational Use, etc. of Energy.

Reference: Overseas CO₂ emission calculation coefficient

Reporting Content	FY2013	FY2014	FY2015	FY2016	FY2017
Electric power					
Indonesia	0.755	0.755	0.755	0.755	0.755
China	0.764	0.764	0.764	0.764	0.764
Thailand	0.522	0.522	0.522	0.522	0.522
Philippines	0.492	0.492	0.492	0.492	0.492
Malaysia	0.688	0.688	0.688	0.688	0.688
Singapore	0.500	0.500	0.500	0.500	0.500
Taiwan	0.764	0.764	0.764	0.764	0.764
Hong Kong	0.768	0.768	0.768	0.768	0.768
Korea	0.545	0.545	0.545	0.545	0.545
India	0.856	0.856	0.856	0.856	0.856
Vietnam	0.429	0.429	0.429	0.429	0.429

Note: Overseas CO₂ emission coefficients by country are drawn from CO₂ Emissions from Fuel Combustion: Highlights, 2013 Edition. Source: IEA