

## Kobe Steel Group CO2 emission data over the past three years

Kobe Steel Group (includes domestic and overseas Group companies)

CO2 emission data over the past three years

	Unit	FY 2016	FY 2017	FY 2018
CO <sub>2</sub> emissions (Scope 1 + 2)	Million t-CO <sub>2</sub>	18.6	18.7	17.4
CO <sub>2</sub> emissions (Scope1)	Million t-CO <sub>2</sub>	17.5	17.7	16.4
CO <sub>2</sub> emissions (Scope2)	Million t-CO <sub>2</sub>	1.1	1.0	1.0
Net sales	Million yen	1,695,864	1,881,158	1,971,869
CO <sub>2</sub> emission intensity per Net sales	t-CO <sub>2</sub> / Million yen	11.0	9.9	8.8
	Compared to FY2016	-	-9%	-19%
Products (crude steel, aluminum rolled products, copper rolled products)	Million t	7.8	8.1	7.5
CO <sub>2</sub> emission intensity per t-Product	t-CO <sub>2</sub> / t-Product	2.4	2.3	2.3

\*Covers 99% of the environmental impact of the Kobe Steel Group. Emissions from offices are not included.

\* Preliminary calculations for Iron & Steel Business totals include coke production.

As emission factors from purchased power in fiscal 2018 have yet to be announced, results for fiscal 2017 were used.

\* Emissions for past years have been recalculated due to revisions to electric power coefficients, etc.

## Kobe Steel, Ltd. Scope 3 emissions over the past three years (unit: thousand t-CO2)

Category	FY 2016	FY 2017	FY 2018	Calculation method
1 - Purchased goods and services	5,645	5,814	5,359	Annual amount of iron ore, coking coal, coke, aluminum and copper by CO2 emissions unit values* <sup>1</sup>
2 - Capital goods	367	289	273	Capital investment cost multiplied by CO2 emissions unit values* <sup>1</sup>
3 - Fuel- and energy-related activities	36	44	45	Annual consumption of electricity and steam multiplied by CO2 emissions unit values* <sup>1</sup>
4 - Upstream transportation and distribution	203	211	201	Using the calculation method for energy-derived CO2 emissions related to freight transportation by shippers as stipulated in the Act* <sup>2</sup> .
5 - Waste generated in operations	–	–	50	The amount of industrial waste for each type by CO2 emissions unit values* <sup>1</sup>
6 - Business travel	1	1	1	Number of employees multiplied by CO2 emissions unit values* <sup>1</sup>
7 - Employee commuting	5	5	5	Number of employees multiplied by CO2 emissions unit values* <sup>1</sup>
8 - Upstream leased assets	0	0	0	CO2 emissions associated with the operation of leased assets which are leased by Kobe Steel Ltd. are included in Scope1 and Scope2 emissions.
9 - Downstream transportation and distribution	–	–	–	
10 - Processing of sold products	–	–	–	
11 - Use of sold products	–	–	–	
12 - End-of-life treatment of sold products	–	–	–	
13 - Downstream leased assets	–	–	–	
14 - Franchises	0	0	0	Our franchisees are not existed
15 - Investments	–	–	–	
<b>Total</b>	<b>6,257</b>	<b>6,364</b>	<b>5,935</b>	

※1 “Green Value Chain Platform” of Ministry of the Environment

※2 Act on the Rational Use of Energy