

Scope: Kumagai Gumi alone

			Units	FY2019	FY2020	FY2021	FY2022	
Energy usage*1	Electricity	Work sites	MWh	27,654	29,533	27,159	30,282	
		Offices	MWh	3,858	3,883	3,997	4,464	
	Gasoline	Work sites	kL	559	507	418	359	
		Offices	kL	185	171	172	192	
	LPG	Work sites	t	78	82	88	148	
		Offices	t	0	3	4	4	
	Town gas	Work sites	1,000 Nm <sup>3</sup>	0	0	0	0	
		Offices	1,000 Nm <sup>3</sup>	54	12	9	6	
	Kerosene	Work sites	kL	3	10	8	18	
		Offices	kL	18	18	19	21	
	Diesel	Work sites	kL	22,268	19,278	16,994	17,040	
		Offices	kL	6	4	2	17	
	Water	Work sites	1,000 m <sup>3</sup>	317	529	362	333	
Offices		1,000 m <sup>3</sup>	27	24	24	16		
Renewable energy (CO2 free + RE100 power) electricity consumption			MWh	-	-	641	6,924	
Renewable energy (RE100 power) electricity consumption*2			MWh	-	-	603	3,910	
CO <sub>2</sub> emissions	Scope1+2	Total	Scope1*1,2	t-CO <sub>2</sub>	59,600	51,678	45,582	45,938
			Scope2*1,2	t-CO <sub>2</sub>	14,733	15,133	13,937	12,479
					t-CO <sub>2</sub>	74,333	66,811	59,519
	Intensity*3	Civil engineering work sites	t-CO <sub>2</sub> /billion yen	40.1	33.4	43.2	38.9	
		Construction work sites	t-CO <sub>2</sub> /billion yen	7.2	9.7	8.6	10.5	
	Scope3*1,2	Category 1 (Purchased goods and services)		t-CO <sub>2</sub>	1,125,909	713,061	779,031	590,805
		Category 2 (Capital goods)		t-CO <sub>2</sub>	2,826	1,724	8,803	5,200
		Category 3 (Fuel- and energy-related activities not included in Scope 1 or Scope 2)		t-CO <sub>2</sub>	10,875	9,852	8,806	9,026
		Category 4 (Upstream transportation and distribution)		t-CO <sub>2</sub>	41,164	22,761	25,378	17,954
		Category 5 (Waste generated in operations)		t-CO <sub>2</sub>	1,323	2,012	1,749	1,838
		Category 6 (Business travel)		t-CO <sub>2</sub>	336	342	342	344
		Category 7 (Employee commuting)		t-CO <sub>2</sub>	974	968	945	918
		Category 11 (Use of sold products)		t-CO <sub>2</sub>	2,572,260	2,554,935	3,910,400	2,271,092
		Category 12 (End-of-life treatment of sold products)		t-CO <sub>2</sub>	26,322	26,227	54,288	43,789
		Category 13 (Downstream leased assets)		t-CO <sub>2</sub>	-	-	-	165
				t-CO <sub>2</sub>	3,781,989	3,331,882	4,789,742	2,941,131
	Generated construction waste*3	Total waste amount		t	633,983	846,400	478,707	502,228
Recycled/reduced amount		t	618,053	823,817	459,391	471,561		
Final disposal amount		t	15,930	22,584	19,316	30,666		
Mixed waste generation rate (mixed waste rate)*4		Civil engineering work sites	%	2.8	2.2	1.5	1.7	
		Construction work sites	%	11.5	6.9	6.4	6.2	
	Whole company	%	1.5	0.9	1.8	1.9		
Green purchase rate*3,5	Civil engineering work sites	%	14.7	15.7	-	-		
	Construction work sites	%	12.8	12.5	-	-		
Manifest issuance	Electronic manifest usage rate*6		%	90.8	94.0	97.2	95.2	
	No. of electronic manifests		No.	100,337	102,588	84,977	83,671	
	No. of paper manifests		No.	10,142	6,520	2,473	4,236	

\*1 Includes overseas activities (overseas construction, overseas offices) in addition to domestic activities (domestic construction, domestic offices).

\*2 Third-party certification obtained from SOCOTEC Certification Japan Co., Ltd.

\*3 Includes only domestic construction.

\*4 Mixed waste rate (%) = mixed waste amount (t) / total waste amount (t)

\*5 Green purchase rate (%) = expenditures on green items / construction costs

\*6 Electronic manifest usage rate (%) = number of electronic manifests / (number of electronic manifests + number of paper manifests)