

## -Value Chain Emissions-

**We strive to mitigate a wide range of the environmental burden, by grasping total GHG emissions from upstream through downstream and reducing them.**

### Value Chain Emissions (Scope 1 – 3)

Unit: tons-CO<sub>2</sub>

Items			FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	
Scope 3 (Upstream)	CAT 01	Purchased goods and services	139,263	104,240	100,628	121,440	137,495	145,321	
	CAT 02	Capital goods	13	380	0	0	122	323	
	CAT 03	Fuel and energy-related activities not included in Scopes 1 and 2	601	1,254	1,218	1,127	1,001	943	
	CAT 04	Transportation and distribution (Upstream)	2,769	2,133	1,651	2,101	2,835	1,963	
	CAT 05	Waste generated in operations	202	150	127	123	138	153	
	CAT 06	Business travel	1,512	2,807	475	424	878	1,279	
	CAT 07	Employee commuting	1,094	942	82	104	89	96	
	CAT 08	Leased assets (Upstream)	726	656	586	516	521	560	
Scope 1 (Reporting company)		Direct emissions	581	534	1,086	1,095	1,152	1,020	
Scope 2 (Reporting company) *1		Indirect emissions from energy sources	Location-based	11,055	9,625	8,277	7,488	6,324	6,061
			Market-based	10,637	9,204	7,843	7,437	6,091	5,867
Scope 3 (Downstream)	CAT 09	Transportation and distribution (Downstream)	N/A *2	N/A	N/A	N/A	N/A	N/A	
	CAT 10	Processing of sold products	-- *2	--	--	--	--	--	
	CAT 11	Use of sold products	110,902	68,042	74,071	95,613	93,086	98,862	
	CAT 12	End-of-life treatment of sold products	N/A	N/A	N/A	1,423	1,368	1,428	
	CAT 13	Leased assets (Downstream)	N/A	N/A	N/A	N/A	N/A	N/A	
	CAT 14	Franchises	N/A	N/A	N/A	N/A	N/A	N/A	
	CAT 15	Investment	N/A	N/A	N/A	N/A	N/A	N/A	

\*1: GWP (global-warming potential) of "Location-based" is all "0.57 tons-CO<sub>2</sub>/MWh". GWPs of "Market-based" are mainly based on data provided by each local electric power company in the territories where our Group Sites are located. The GWPs exclude electricity as RE.

\*2: "N/A" means items which we regarded as not applicable to our Group. "--" means item which was decided not to calculate because it is practically difficult to calculate and its assumed emission volume is relatively small, although the CAT is applicable to our Group.