

Input / Output of FY2022

Input				Output			
Energy Usage		8.94	million GJ*1	Greenhouse Gas Emissions*4		438.0	thousand t-CO ₂
Break down	Electric power	785.2	thousand MWh	Break down	Energy related*5	370.2	thousand t-CO ₂
	Solar power (included in Electric power)*2	2.33	thousand MWh		Non-energy related*6	67.9	thousand t-CO ₂
	Coal	10.0	thousand t	Released into the Atmosphere			
	Fuel oil	2.9	thousand kL	Break down	NOx	39	t
	Gas (excluding LPG and LNG)	17.3	million Nm ³		SOx	27	t
Water Usage					VOCs*7	65	t
Break down	Groundwater	4,713	thousand m ³		Dust and soot	10	t
	Tapwater	810	thousand m ³	Released into Water Systems			
	Industrial water	652	thousand m ³	Break down	Wastewater	5,554	thousand m ³
Total Raw Materials Used						COD*8	107
Break down	Brake friction materials	57.8	thousand t		SSs*9	73	t
	Chemical substances	57.2	thousand t	PRTR Substances			
	Steel	43.0	thousand t	Break down	Released amounts	21.2	t
	Raw cotton, cotton yarn	22.0	thousand t		Transferred amounts	51.7	t
	Packaging materials	8.6	thousand t	Total Waste Volume			
Volume of PRTR Substances*3						51.8	thousand t
Office Paper Usage				Recycled Waste			
		47,103	thousand sheets	Products Shipments			
						566.7	thousand t
				Solar Power Sales			
						3.9	thousand MWh
				Transport Volume*10			
						157.7	million t-km

*1 Gigajoule (GJ): A unit of energy measurement. 1GJ = 10⁹ J = about 240,000 kilocalories

*2 Not including electricity sold under the feed-in tariffs scheme for renewable energy

*3 PRTR substances: Substances subject to the Pollutant Release and Transfer Register (PRTR) system pursuant to the "Act on the Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof" and reports of their amounts of release and transfer must be filed.

*4 Greenhouse

·Scope1:

Energy-related Greenhouse Gas Emissions = Σ [Fuel Consumption x CO₂ Emission Factor*4-1]

Non-Energy-related Greenhouse Gas Emissions = Non-Energy-related CO₂ Emissions + Σ [Greenhouse Gas Emissions other than CO₂ × Global warming potential*4-2]

*4-1 Emission factors based on the Act on Promotion of Global Warming Countermeasures are used. Coal, however, uses a factor calculated based on actual calorific values is used, and 1.896 t-CO₂/t is used for FY2022.

*4-2 Global warming potential based on the Act on Promotion of Global Warming Countermeasures.

·Scope2:

Energy-related GHG emissions = Σ [purchased electricity and purchased steam volume x CO₂ emission factor*4-3]

*4-3 Purchased electricity uses, in Japan, adjusted emission factors for each electric company based on the Act on Promotion of Global Warming Countermeasures in Japan, and the in foreign countries, the emission factors for each electric company, and if unavailable, the latest country-specific emission factors of IEA Emissions Factors. Data for fiscal 2021 and earlier use country-specific emission factors for each year from "IEA Emissions Factors 2021".

Purchased steam uses emission factors based on the Act on Promotion of Global Warming Countermeasures.

*5 Energy related

*6 Non-energy related greenhouse gas emissions: Greenhouse gas emissions due to reasons other than fuel consumption, e.g. manufacturing process, waste products, etc.

*7 Volatile Organic

*8 Chemical Oxygen Demand (CODs): Chemical Oxygen Demand, or Chemical Oxygen Consumption, is an indicator that shows water contamination levels.

*9 Suspended Solids (SSs): The amount of foreign substances floating in water.

*10 Transport Volumes in international waters are not included.