

Input/Output 2019

Input			Output		
Energy Usage		10.56 million GJ* ¹	Greenhouse Gas Emissions* ⁴	641.7	thousand t-CO ₂
Break down	Electric power	810.9 thousand MWh	Break down	Energy-derived* ⁵	581.0 thousand t-CO ₂
	Solar power (included in Electric power)	1.03 thousand MWh		Non-energy derived* ⁶	60.7 thousand t-CO ₂
	Coal	71.9 thousand t			
	Heavy oil	1.1 thousand kL	Released into the Atmosphere		
	Town gas (including natural gas)	17.5 million m ³	Break down	NOx	245 t
				SOx	217 t
Water Usage		9,384 thousand m ³		VOCs* ⁷	50 t
Break down	Groundwater	7,419 thousand m ³		Dust and soot	55 t
	Industrial water	1,151 thousand m ³			
			Released into Water Systems		
Total Raw Materials Used		283.9 thousand t	Break down	Wastewater	8,893 thousand m ³
Break down	Brake friction materials	77.0 thousand t		COD* ⁸	128 t
	Chemical substances	54.0 thousand t		SSs* ⁹	59 t
	Steel	92.9 thousand t			
	Raw cotton, cotton yarn	34.0 thousand t	PRTR Substances		
	Packaging materials	10.3 thousand t	Break down	Released amounts	32.7 t
				Transferred amounts	53.4 t
Volume of PRTR Substances* ³		2,817 t	Total Waste Volume	59.4	thousand t
Office Paper Usage		65,737 thousand sheets	Recycled Waste	48.6	thousand t
			Products	426.6	thousand t
			Solar Power Sales	3.8	thousand MWh
			Transport Volume* ¹⁰	205.7	million t-km

Following the approval of the “Partial Change of the Articles of Incorporation” at the 175th General Meeting of Shareholders held on June 28, 2018, the Company changed the fiscal year-end from March 31 to December 31, starting in the fiscal year that ended in December 2018. As a result, the consolidated fiscal year that ended in December 2018 was a transitional period with an irregular fiscal year adjusted for changes in the fiscal periods of the Company and consolidated subsidiaries as follows: the Company and consolidated subsidiaries switching from fiscal years ending in March (nine-month consolidation from April 1, 2018 to December 31, 2018); consolidated subsidiaries switching from fiscal years ending in February (10-month consolidation from March 1, 2018 to December 31, 2018), and consolidated subsidiaries with fiscal years ending in December (12-month consolidation from January 1, 2018 to December 31, 2018). Consequently, comparisons (% of change) versus past results are not indicated.

*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 The CO₂ emission conversion factors shown in the Attached Table (“Environment” Climate Change Countermeasures) are used.

*5 Energy-derived greenhouse gas emissions: Greenhouse gas emissions due to fuel consumption.

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

*7 Volatile Organic Compounds (VOCs): Emissions of volatile organic compounds such as toluene.

*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.