



















Performance Data

Environmental Data

Material Balance

INPUT				
		Fiscal 2018	Fiscal 2019	Fiscal 2020
	Electricity (thousand kWh)*	41,958	51,255	48,158
	City gas (thousand m ³)	1,097	1,108	1,212
	LPG (t)	19	19	16
	LNG (t)	57	0	0
	Heavy oil (kL)	0	0	0
	Kerosene (kL)	29	24	1
	Diesel oil (kL)	38	24	13
	Gasoline for fleet in Japan (kL)	619	604	518
	Diesel for fleet in Japan (kL)	18	10	10
	Water use volume (thousand m ³)	449	512	452
	Office paper (t)	38	36	30
	PRTR (t)	0	0	0



OUTPUT				
		Fiscal 2018	Fiscal 2019	Fiscal 2020
	Greenhouse gas emissions from business locations (t-CO ₂)	22,349	24,375	18,283
	Greenhouse gas emissions from fleet in Japan (t-CO ₂)	1,483	1,428	1,227
	Waste emissions (t)	2,255	2,722	2,529
	Recycling rate (%)	76	67	78
	Wastewater volume (thousand m ³)	292	287	270
	PRTR (t)	0	0	0

* Some figures have been revised from previous reporting.

Performance Data

Environmental Performance Data

Item	Content		Unit	Scope ¹	Fiscal 2016	Fiscal 2017	Fiscal 2018	Fiscal 2019	Fiscal 2020	Coverage ²	Calculation Method and Other Notes	
INPUT	Energy consumption	Consumption of non-renewable energy	Electricity (non-renewable)	1000 kWh	Major business locations, instrument factories, reagent factories, sales offices, and other business sites in Japan; major business locations, factories, and other business sites in other countries	37,193	38,399	40,670	44,551	42,287	84%	
			City gas	1000 m ³		1,474	600	1,097	1,108	1,212		
			LPG	t		21	24	19	19	16		
			LNG	t		0	0	57	0	0		
			Heavy oil	kL		0	35	0	0	0		
			Kerosene	kL		31	29	29	24	1		
		Diesel oil	kL	21		17	38	24	13			
	Consumption of renewable energy	Electricity (renewable)	1000 kWh	210	1,302	1,288	6,704	5,871				
	Total consumption		GJ	440,124	414,136	461,370	496,798	498,657	Total consumption = Σ (consumption by energy type × conversion factor ⁴)			
	Consumption of other non-renewable energy	Gasoline (fleet)	kL	Major business locations, instrument factories, reagent factories, sales offices, and other business sites in Japan	734	689	619	604	518	37%		
Diesel oil (fleet)		25			23	18	10	10				
Water use volume	Groundwater	1000 m ³	Major business locations, instrument factories, and reagent factories in Japan; major business locations, factories, and other business sites in other countries	58	53	65	75	86	84%	Groundwater intake		
	Purchased water			348	365	384	437	366				
	Total volume			406	418	449	512	452				
Amount of office paper used		t	Major business locations, instrument factories, and reagent factories in Japan	42	45	38	36	30	37%			
PRTR input		t	Major business locations, instrument factories, reagent factories, sales offices, and other business sites in Japan	0	0	0	0	0	37%	The amount of PRTR substances handled at business sites that handle chemicals in Japan		
OUTPUT	Greenhouse gas emissions Scope 1 ³	CO ₂ emissions of energy consumption from stationary combustion sources	t-CO ₂	Major business locations, instrument factories, reagent factories, sales offices, and other business sites in Japan; major business locations, factories, and other business sites in other countries (Scope of CO ₂ emissions from fleet comprises vehicles in Japan only.)	3,559	1,749	2,964	2,665	2,807	84%	Emissions = Σ (fuel consumption × CO ₂ emission factor ⁵)	
		CO ₂ emissions from fleet			1,768	1,661	1,483	1,428	1,227			
		Total emissions			5,327	3,410	4,447	4,093	4,034			
	Greenhouse gas emissions Scope 2 ³	Total emissions	t-CO ₂	19,201	20,438	19,385	21,710	15,476	Emissions = Σ (purchased electricity consumption × CO ₂ emission factor ⁶) + Σ (purchased steam consumption × CO ₂ emission factor ⁶)			
	Scope 1+2	Total emissions	t-CO ₂	24,528	23,848	23,832	25,803	19,510				
	Greenhouse gas emissions Scope 3 ³	CO ₂ emissions from logistics	t-CO ₂	Sysmex Corporation	19,573	16,711	21,571	18,547	16,691	-	Emissions = Σ (freight weight × transport distance × CO ₂ emissions intensity ⁷) Shipment in Japan: CO ₂ emissions due to physical distribution from warehouses in Japan to customers in Japan, etc. (including branches and sales offices) Overseas shipment: CO ₂ emissions due to physical distribution from warehouses in Japan to ports and airports in other countries	
	Waste emissions	Total emissions	t	Major business locations, instrument factories, reagent factories, sales offices, and other business sites in Japan; major business locations and factories in other countries	2,106	1,482	2,255	2,722	2,529	82%	Waste emissions = general waste emissions + industrial waste emissions	
		Total emissions (excluding sales offices in Japan)			1,436	1,361	2,117	2,591	2,411			
		Waste used for material recycling			814	1,044	1,264	1,560	1,711			Amount of waste converted into valuables as a result of a third-party process. Includes waste converted into fuel (such as RPF)
		Recycled waste (including energy recovery)			1,309	1,213	1,617	1,744	1,884			Amount of waste reused, used for material recycling, or used for energy recovery (thermal recycling)
Total amount of waste disposal		128			148	500	847	527	Total amount of waste disposal = total emissions - recycled waste (including energy recovery)			
Material recycling rate		57			77	60	60	71				
Recycling rate (including energy recovery)	%	91	89	76	67	78						
Wastewater volume	Total emissions	1000 m ³	Major business locations, instrument factories, and reagent factories in Japan; major business locations, factories, and other business sites in other countries	189	273	292	287	270	84%			
PRTR output	Emissions	t	Major business locations, instrument factories, reagent factories, sales offices, and other business sites in Japan	0	0	0	0	0	37%	Amount of PRTR emitted from business sites that handle chemicals in Japan		
	Transfers			0	0	0	0	0		Amount of PRTR transferred from business sites that handle chemicals in Japan		

Item	Content		Unit	Scope ¹	Fiscal 2016	Fiscal 2017	Fiscal 2018	Fiscal 2019	Fiscal 2020	Coverage ²	Calculation Method and Other Notes
Compliance	Violations of environmental regulations (e.g., air and water pollution)	Total amount of large fines	100 million yen	Major business locations, instrument factories, reagent factories, sales offices, and other business sites in Japan; major business locations, factories, and other business sites in other countries	0	0	0	0	0	100%	
		Number of sanctions other than fines	Cases		0	0	0	0	0		
	Significant spills and losses of chemical substances	Total number of cases	Cases		0	0	0	0	0		
		Total leakage volume	t		0	0	0	0	0		

1. Results in respective years cover the scopes shown for respective indicators.

See below for details on the scopes for fiscal 2020.

Major business locations in Japan: Sysmex Corporation (Head Office, Technopark, and Solution Center)

Instrument factories in Japan: Sysmex Corporation (Kakogawa Factory and i-Square), Sysmex Medica, and Sysmex RA

Reagent factories in Japan: Sysmex International Reagents (Ono Factory and Seishin Factory)

Sales offices in Japan: Sysmex Corporation (Tokyo Office and other 20 branches)

Other business sites in Japan: Sysmex Corporation (Research and Development Center and 5 other sites)

Major business locations in other countries: Sysmex Europe, Sysmex Deutschland, Sysmex America, Sysmex Shanghai, and Sysmex Asia Pacific

Major factories in other countries: Sysmex Europe, Sysmex do Brasil, Sysmex Reagents America, Sysmex India, Sysmex Asia Pacific,

Jinan Sysmex Medical Electronics, Sysmex Wuxi, Sysmex Partec, Sysmex Inostics, and HYPHEN BioMed

Other business sites in other countries: Sysmex Taiwan and Sysmex Korea

2. Coverage is calculated based on net sales by company.

3. Scope 1: GHG emitted directly by company facilities, factories, and fleet.

Scope 2: GHG emitted indirectly by the company due to energy use

Scope 3: GHG emitted throughout the value chain in relation to products and services

4. Conversion factors and emission factors are based on the "Act on Promotion of Global Warming Countermeasures."

5. Japan: Adjusted emission factors from the list of emission factors for each electric power company released in accordance with the "Act on Promotion of Global Warming Countermeasures" (For submission in 2020)

Other countries: 2018 emission factors from the IEA Emission Factors 2020, IEA.

In fiscal 2020, calculation methodology changed to the latest emission factors. The following emission factors were used previously.

- Japan (fiscal 2016–2019): Adjusted emission factors from the list of emission factors for each electric power company released in accordance with the "Act on Promotion of Global Warming Countermeasures" (For submission in 2017)

- Other countries (fiscal 2016–2017): GHG Protocol 2005

- Other countries (fiscal 2018–2019): 2016 emission factors from the Emissions from Fuel Combustion 2018, IEA

6. Emissions intensity is based on the "Common Guidelines for the Method of Calculating CO₂ Emissions in the Logistics Field Ver. 3.1."