



The environmental accounting*1 of the Domestic Group in fiscal 2023 is stated below. The period covered is from April 1, 2023 through March 31, 2024.

Environmental expenses		NOF Group		(Unit: millions of yen)	
Category	Major activities	Investment	Expenses		
(1) Business area expenses	1 Pollution prevention	Upgrade of steam ejectors, strengthening of wastewater treatment/water pollution prevention facilities	357	1,060	
	2 Global environmental protection	Upgrade of equipment to streamline efficiency, conversion of fluorescent lights to LEDs	559	161	
	3 Resource recycling	Upgrade of resource recycling facilities, industrial waste treatment and recycling expenses	27	940	
(2) Upstream/downstream expenses		Cost for eco-friendly and sustainable containers and packaging	8	2	
(3) Management activity expenses		Environmental audits, improvements, personnel costs	1	465	
(4) R&D expenses		R&D to curb environmental impact	0	497	
(5) Community activity expenses		Support for regional environmental activities	0	10	
(6) Environmental damage response expenses	-		0	0	
Total*2			952	3,135	

Environmental results		NOF Group			
Category	Item	FY2023	vs. FY2022		
(1) Environmental results from resources used in business activities	Total energy input (thousand GJ)	2,909	△203		
	Total substance input (thousand tons)	248	12		
	Water resource input (thousand m ³)	8,358	△140		
(2) Environmental results from environmental impact and waste materials of business sites	Greenhouse gas emissions (thousand tons of CO ₂)	169	△16		
	Production activities: Energy-related	143	△6		
	Production activities: Other	17	△10		
	Transportation-related	10	-		
	Emissions of PRTR Act-controlled substances (tons)	167	24		
	Plant emission volumes (tons)	22,541	△2,616		
	Final disposal of waste by landfill (tons)	617	△478		
	Wastewater volume (thousand m ³)	6,090	△331		
	COD emission volumes (tons)	171	23		
	NOx emission volumes (tons)	58	3		
	SOx emission volumes (tons)	8	1		

Real economic effects		NOF Group		(Unit: millions of yen)	
	Particulars of effects		Sum		
1) Profits	Business income from recycling of waste from main business or recycling of used products, etc.		281		
	Other business income		0		
2) Costs saved	Reduction in energy cost by energy saving		25		
	Reduction in waste disposal ensuing from materials saving or recycling		18		
	Other reductions		15		
Total*2			339		

Changes from the past						
Category	Item	FY2019	FY2020	FY2021	FY2022	FY2023
Environmental expenses*3	Investment (million yen)	686	1,203	1,300	1,140	952
	Expenses (million yen)	2,657	3,136	3,155	3,448	3,135
Environmental results from resources used in business activities	Total energy input (thousand GJ)	3,330	3,247	3,377	3,112	2,909
	Total substance input (thousand tons)	253	231	261	236	248
Environmental results from environmental impact and waste materials of business sites	Water resource input (thousand m ³)	8,232	8,319	8,420	8,498	8,358
	Greenhouse gas emissions (thousand tons of CO ₂)	205	195	198	185	169
Environmental results from environmental impact and waste materials of business sites	Production activities: Energy-related	173	167	172	149	143
	Production activities: Other	23	20	18	27	17
	Transportation-related	9	8	9	10	10
	Emissions of PRTR Act-controlled substances (tons)	158	147	155	143	167
	Plant emission volumes (tons)	28,446	28,955	29,164	25,157	22,541
	Waste sent to landfills (tons)	1,302	1,588	950	1,095	617
	Wastewater volume (thousand m ³)	6,424	6,552	6,642	6,421	6,090
	COD emission volumes (tons)	441	219	154	148	171
	NOx emission volumes (tons)	55	57	55	55	58
	SOx emission volumes (tons)	6	4	5	7	8

*1 In business activities, Environmental Accounting is a procedure necessary for communicating quantitatively the results based on costs and effects for the environmental conservation activities by the monetary unit or material quantity. The purpose of this is to efficiently and effectively promote the initiatives for environment conservation, while keeping a good relationship with society.

*2 Rounding of fractions may sometimes make the total inconsistent with individual figures.

*3 Environmental expenses: FY2019-FY2022 (covers the NOF Group in Japan), FY2023 (covers the NOF Group as well as Changshu NOF Chemical Co., Ltd. and PT.NOI MAS CHEMICAL INDUSTRIES)