

# Planet

Corporate Statements

The Kuraray Group  
Code of Conduct

TOP STATEMENT

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**Updated**

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【Notes】As a result of the change in months in each fiscal year, the environmental data and information contained in this report including graphs are as follows.  
 • Before fiscal 2013: Actuals in 12 months from April to March of the following year  
 • Fiscal 2014: Actuals for 9 months from April to December + Actuals for January to March 2014 (or estimated value) [Partially overlaps with fiscal 2013]  
 • After fiscal 2015 : Actuals for 12 months from January to December

## Environmental Accounting

- Total investments for the current period: ¥31.9 billion
- Total research and development expenses for the current period: ¥14.1 billion

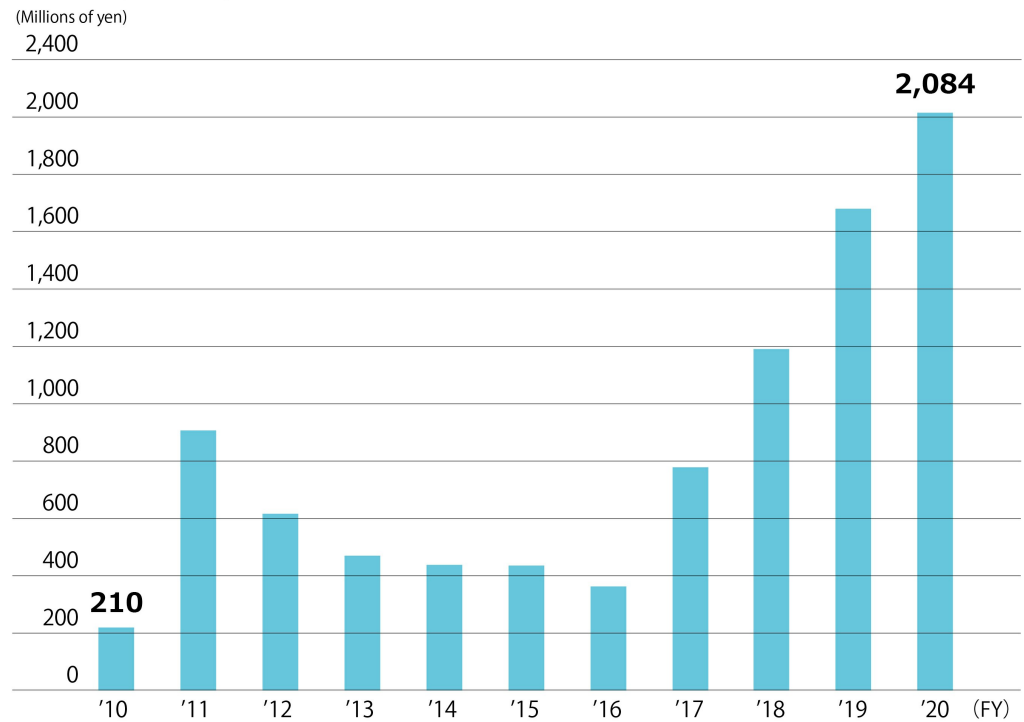
### Costs for Environmental Conservation (Millions of yen)

Category		Investments	Cost	Principal activities
Costs within the production sites	Pollution prevention costs	1,190	1,413	Operating cost of environmental facilities, measures to prevent emissions of toxic chemical substances
	Global environmental conservation costs	77	25	Cost of energy conservation activities
	Resource recycling costs	548	748	Recycling costs and waste processing costs
	<b>Total</b>	<b>1,815</b>	<b>2,186</b>	
Upstream and downstream costs		-	99	Recycling and reuse of packaging materials, improvement of container packaging
Administrative costs		73	116	ISO 14001, environmental measurements, environmental education
Research and development costs		195	209	Development of environmentally friendly products

Category	Investments	Cost	Principal activities
Social activity costs	-	0	Afforestation, beautification, provision of environmental information to host community residents
Environmental damage costs	-	-	
<b>Total</b>	<b>2,084</b>	<b>2,609</b>	

Note: Environmental damage costs are included in pollution prevention costs.

## Trends in Capital Expenditures for Environmental Investments



## Environmental Conservation Effects (Kuraray)

Category		Unit	FY2018	FY2019 <sup>(1)</sup>	FY2020 <sup>(2)</sup>	Change [(2)-(1)]
Pollution prevention activities	SOx emissions	Tons	350	550	280	▲ 270
	NOx emissions	Tons	1,779	1,770	1,623	▲ 147
	Soot and dust emissions	Tons	31	31	32	1
	PRTR substance emissions	Tons	902	855	719	▲ 136
	COD load	Tons	554	512	516	4
Global environment conservation activities	GHG emissions	1,000 tons-CO <sub>2</sub>	1,310	1,301	1,221	▲ 80
	Energy consumption	1,000 kL (crude oil equivalent)	433	431	402	▲ 29
	Unutilized externally processed industrial waste	Tons	875	1,735	1,772	37

Category		Unit	FY2018	FY2019 <sup>(1)</sup>	FY2020 <sup>(2)</sup>	Change [(2)-(1)]
Resource recycling activities	Rate of effective waste utilization	%	97.8	97.1	97.2	0.1
	Water resource usage*	million m <sup>3</sup>	72	71	71	0
	Total discharge of wastewater*	million m <sup>3</sup>	65	61	65	4

\* Excluding seawater

For detailed environmental data, please visit the site below.

[> Environmental data](#)

#### (1) Basis for environmental accounting calculations

- Reporting period: January 1, 2020 to December 31, 2020
- Scope covered: Kuraray

#### (2) Environmental conservation cost calculation criteria

- Depreciation: Straight-line method
- Standard for allocating costs: In principle, 100% of costs are allocated to individual environmental conservation items. However, a portion of costs is allocated on a pro-rata basis.

#### (3) Standard for calculating environmental conservation effects

- Effects are calculated in a simple comparison with the total environmental load of the previous fiscal year and are not adjusted for production volume.

#### (4) Standard for calculating economic effects (benefits) of environmental conservation measures.

- Although material effects such as income from recycling are known, benefits are deducted from environmental conservation costs.

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