

# **Announcement of Business Results for the 2Q and Six Months Ended September 30, 2023**

**November 8, 2023  
Toray Industries, Inc.**

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# **Consolidated Business Results for the 2Q and Six Months Ended September 30, 2023**

# Summary of Consolidated Business Results for the 2Q and Six Months Ended September 30, 2023

Billion yen

	FY Mar/23 2Q (Jul.-Sept.)	FY Mar/24 2Q (Jul.-Sept.)	Changes	FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes
Revenue	655.9	<b>621.3</b>	-34.6 (-5.3%)	1,261.8	<b>1,199.4</b>	-62.4 (-4.9%)
Core Operating Income	27.3	<b>26.8</b>	-0.5 (-2.0%)	54.4	<b>48.7</b>	-5.8 (-10.6%)
(Core Operating Margin)	4.2%	<b>4.3%</b>	+0.1 points	4.3%	<b>4.1%</b>	-0.3 points
Special Items	▲ 4.4	▲ <b>3.1</b>	+1.3	19.4	▲ <b>4.2</b>	-23.6
Financial Income and Costs	▲ 0.6	▲ <b>3.0</b>	-2.5	1.6	▲ <b>2.4</b>	-4.0
Share of profit of investments accounted for using equity method	5.4	<b>3.3</b>	-2.1	9.5	<b>6.9</b>	-2.6
Profit before Tax	27.8	<b>23.9</b>	-3.9 (-14.0%)	85.0	<b>49.0</b>	-36.0 (-42.4%)
Profit Attributable to Owners of Parent	19.2	<b>14.9</b>	-4.3 (-22.3%)	59.1	<b>28.9</b>	-30.2 (-51.2%)

## <Exchange Rate>

		FY Mar/23 2Q (Jul.-Sep.)	FY Mar/24 2Q (Jul.-Sep.)	FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)
Yen / US\$	Average	138.4	<b>144.6</b>	134.0	<b>141.0</b>
	End of the Term	144.8	<b>149.6</b>		
Yen / Euro	Average	139.3	<b>157.3</b>	138.7	<b>153.4</b>
	End of the Term	142.3	<b>158.0</b>		

# Special Items

Billion yen

	FY Mar/23 2Q (Jul.-Sept.)	FY Mar/24 2Q (Jul.-Sept.)	Changes	FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes
Gain on Sale or Disposal of Fixed Assets	0.1	0.5	+0.5	0.2	0.8	+0.6
Gain on loss of control of subsidiaries <sup>*1</sup>	-	-	-	25.1	-	-25.1
Loss on Sale or Disposal of Fixed Assets	▲0.9	▲ 1.8	-0.8	▲ 1.4	▲ 2.6	-1.2
Impairment Losses	▲ 0.2	▲ 0.1	+0.1	▲ 1.1	▲ 0.6	+0.5
Provision for Product Warranties <sup>*2</sup>	▲ 3.5	▲ 1.8	+1.6	▲ 3.5	▲ 1.8	+1.6
Other	0.0	-	-0.0	0.0	-	-0.0
Special Items	▲ 4.4	▲ 3.1	+1.3	19.4	▲ 4.2	-23.6

<sup>\*1</sup> Gain on revaluation of investment resulting from establishment of the joint venture LG Toray Hungary Battery Separator Kft. with LG Chem, Ltd. (LG Chem). In this joint venture, LG Chem made an investment in Toray Industries Hungary Kft., which manufactures and sells separator film for rechargeable lithium-ion batteries in Hungary.

<sup>\*2</sup> Costs required for the replacement or repair of products that may be defective among some products for industrial applications that the Company has manufactured and sold in the past in the Carbon Fiber Composite Materials Business.

# Assets, Liabilities, Equity, and Free Cash Flow

Billion yen

	End of Mar/23	End of Sep/23	Changes
<b>Total Assets</b>	3,194.0	<b>3,416.3</b>	+222.3
<b>Current Assets</b>	1,429.3	<b>1,515.7</b>	+86.5
<b>Property, Plant and Equipment</b>	1,007.8	<b>1,066.6</b>	+58.8
<b>Other Non-current Assets</b>	756.9	<b>834.0</b>	+77.1
<b>Total Liabilities</b>	1,558.2	<b>1,617.9</b>	+59.7
<b>Current Liabilities</b>	826.2	<b>894.9</b>	+68.7
<b>Non-current Liabilities</b>	732.0	<b>723.0</b>	-9.0
<b>Equity</b>	1,635.8	<b>1,798.4</b>	+162.6
<b>Owner's Equity *</b>	1,535.0	<b>1,693.3</b>	+158.3
<b>Equity Ratio *</b>	48.1%	<b>49.6%</b>	+1.5 points
<b>Interest-bearing Liabilities</b>	950.1	<b>986.0</b>	+35.9
<b>D/E Ratio</b>	0.62	<b>0.58</b>	-0.04

## <Free Cash Flow>

	FY Mar/23 Six months (Apr.-Sept.)	FY Mar/24 Six months (Apr.-Sept.)	Changes
<b>Cash Flows from Operating Activities</b>	19.9	<b>66.3</b>	+46.4
<b>Cash Flows from Investment Activities</b>	▲ 47.8	▲ <b>58.0</b>	-10.2
<b>Free Cash Flow</b>	▲ 28.0	<b>8.3</b>	+36.2

\*Owner's equity=average equity attributable to owners of parent

# Capital Expenditures, Depreciation and Amortization, and R&D Expenditures

Billion yen

		FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes
<b>Capital Expenditures</b>		42.4	55.1	+12.8
	<b>Toray</b>	12.2	8.6	-3.6
	<b>Consolidated Subsidiaries</b>	30.2	46.6	+16.4
<b>Depreciation and Amortization</b>		64.9	65.0	+0.1
	<b>Toray</b>	17.5	16.8	-0.7
	<b>Consolidated Subsidiaries</b>	47.4	48.2	+0.8
<b>R&amp;D Expenditures</b>		33.0	32.8	-0.1
	<b>Toray</b>	23.7	22.7	-1.0
	<b>Consolidated Subsidiaries</b>	9.3	10.1	+0.8

## Major Capital Expenditure Projects

Toray Advanced Materials Korea Inc.	: PPS resin production facilities, Carbon fiber production facilities
Zoltek Companies, Inc.	: Carbon fiber production facilities
Toray Composite Materials America, Inc.	: Carbon fiber production facilities

# Revenue and Core Operating Income by Segment, and Factor Analysis of Core Operating Income

Billion yen

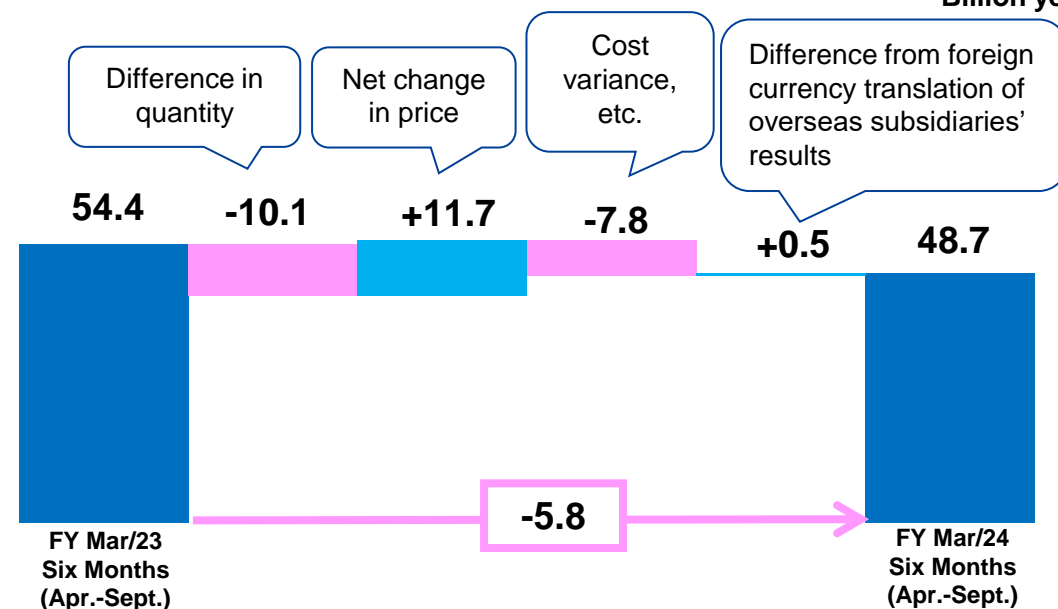
		FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes	
Revenue	Fibers & Textiles	509.0	481.2	-27.8	(-5.5%)
	Performance Chemicals	473.3	433.1	-40.2	(-8.5%)
	Carbon Fiber Composite Materials	140.0	141.1	+1.2	(+0.8%)
	Environment & Engineering	106.1	111.5	+5.5	(+5.2%)
	Life Science	25.9	24.8	-1.1	(-4.3%)
	Other	7.5	7.6	+0.0	(+0.6%)
	<b>Total</b>	<b>1,261.8</b>	<b>1,199.4</b>	<b>-62.4</b>	<b>(-4.9%)</b>
Core Operating Income	Fibers & Textiles	23.9	27.2	+3.3	(+13.9%)
	Performance Chemicals	25.1	14.5	-10.6	(-42.2%)
	Carbon Fiber Composite Materials	5.6	7.6	+2.0	(+35.9%)
	Environment & Engineering	8.3	10.2	+1.9	(+23.3%)
	Life Science	0.3	▲ 0.5	-0.9	( - )
	Other	1.0	0.8	-0.2	(-22.1%)
	Reconciliations	▲ 9.8	▲ 11.1	-1.3	
	<b>Total</b>	<b>54.4</b>	<b>48.7</b>	<b>-5.8</b>	<b>(-10.6%)</b>

## <Consolidated Business Result: Six Months Ended September 30, 2023 (Apr.-Sept.)>

Fibers & Textiles, Carbon Fiber Composite Materials, and Environment & Engineering segments were strong. In the Performance Chemicals segment, OLED-related materials and circuit materials saw some recovery, but core operating income declined compared with the same period of the previous fiscal year, due to the impact from the demand decrease in the Chinese market in the resins business, and impact from inventory adjustment in supply chains for electronic parts in the film business.

As a result, core operating income of the entire Toray Group was 48.7 billion yen, 10.6% decrease on a year-to-year comparison.

Billion yen





# Business Results by Segment (Fibers & Textiles)

Billion yen

		FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes	
Revenue	Toray	104.7	<b>107.0</b>	+2.3	(+2.2%)
	Japanese Subsidiaries	252.1	<b>233.5</b>	-18.6	(-7.4%)
	Overseas Subsidiaries	353.3	<b>325.8</b>	-27.5	(-7.8%)
	Adjustments	▲ 201.0	▲ <b>185.1</b>	+15.9	
	Total	509.0	<b>481.2</b>	-27.8	(-5.5%)
Core Operating Income	Toray	8.3	<b>7.2</b>	-1.1	(-13.7%)
	Japanese Subsidiaries	4.5	<b>8.3</b>	+3.8	(+85.6%)
	Overseas Subsidiaries	11.7	<b>12.4</b>	+0.7	(+6.1%)
	Adjustments	▲ 0.6	▲ <b>0.7</b>	-0.1	
	Total	23.9	<b>27.2</b>	+3.3	(+13.9%)

## <Business Performance>

### ■ General

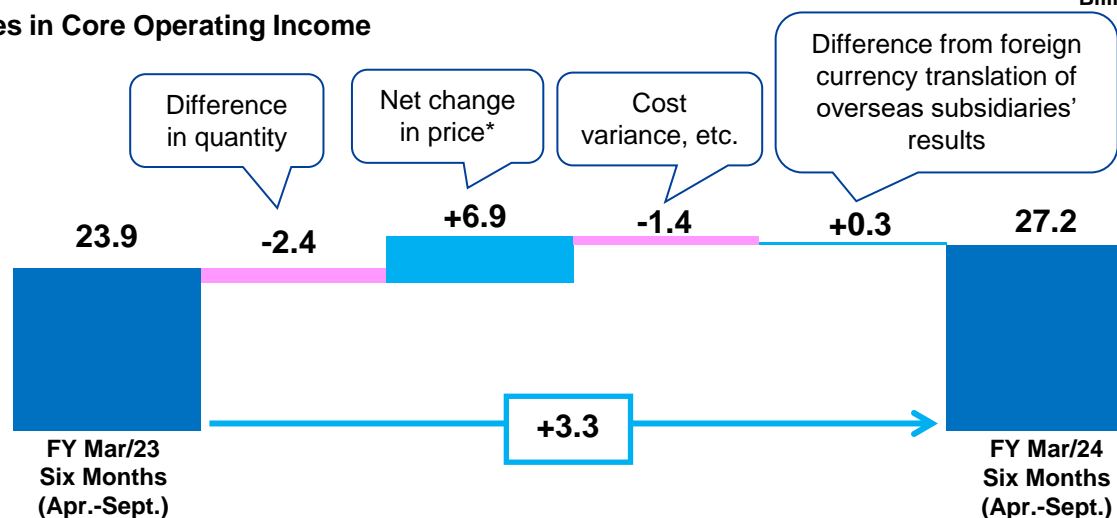
Apparel applications were impacted by worsening market conditions in the U.S. and Europe, but the trading subsidiaries in Japan performed strongly. Hygiene material applications were sluggish from the worsening supply-demand balance. Industrial applications witnessed a continued demand recovery in automobile applications and there was improvement in the spread from the price decline of natural gas, etc. in Europe.

## <Topics>

- August 2023:  
Toray Industries, Inc., Nitto Seimo Co., Ltd., and Maruha Nichiro Corporation subsidiary Taiyo A&F Co., Ltd., announced that they will broaden a program launched in November 2022 to contribute to a circular economy and help resolve the issue of marine plastic by recycling materials from fishing nets into new ones. The program will additionally recover materials from used nylon fishing nets. It will be the first in industry that fishing nets recycled from discarded ones used in fishing operations are utilized in fishery.
- September 2023:  
Toray has added two items to its LIVMOA™ series of comfortable, single-use protective clothing. One is the LIVMOA™ 4300AS, a water- and oil-resistant model that offers excellent breathability. The other is the LIVMOA™ 1000AS, an entry-level model that complies with the JIS T 8115:2015 Type 5 (sealed for protection from solid airborne particulates) and JIS T 8115:2015 Type 6 (sealed for protection from mist) standards. Sales expected to begin in Japan within 2023.

## Changes in Core Operating Income

Billion yen



\* Difference in selling price and raw materials' cost and fuel prices of petrochemical-based products, etc. (net)

# Business Results by Segment (Performance Chemicals)

Billion yen

		FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes
Revenue	Toray	131.9	113.3	-18.6 (-14.1%)
	Japanese Subsidiaries	277.4	237.7	-39.8 (-14.3%)
	Overseas Subsidiaries	292.8	283.9	-8.9 (-3.0%)
	Adjustments	▲ 228.9	▲ 201.8	+27.0
	Total	473.3	433.1	-40.2 (-8.5%)
Core Operating Income	Toray	9.3	1.0	-8.3 (-89.2%)
	Japanese Subsidiaries	12.3	10.7	-1.6 (-13.0%)
	Overseas Subsidiaries	2.7	2.7	-0.0 (-1.5%)
	Adjustments	0.8	0.1	-0.6
	Total	25.1	14.5	-10.6 (-42.2%)

## <Business Performance>

### ■ Resins Business

The resins business was weak given the impact of demand declines in the Chinese markets and other factors.

### ■ Film Business

Demand declined due to inventory adjustment in supply chains for electronic parts.

### ■ Electronic & Information Material Business

Demand for OLED-related materials and circuit materials saw some recovery.

## <Topics>

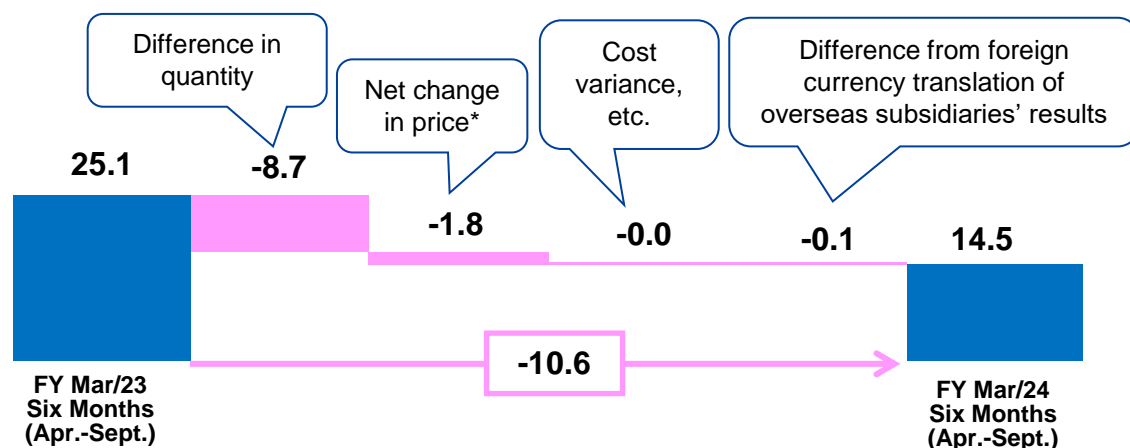
- August 2023:  
Applying its proprietary nano-multi-layer film technology, Toray created world's thinnest and lightest millimeter wave absorption film, which is one-fifth the thickness and one-tenth\* the weight of conventional counterparts. The film eliminates electromagnetic interference in 5G devices incorporating millimeter wave modules. It also helps lighten devices and enhance design flexibility.

\* Based on comparisons between commercially available products absorbing 77 gigahertz and weights of 10-square-centimeter samples.

- September 2023:  
Toray signed an agreement with Honda Motor Co., Ltd., to jointly develop a chemical recycling technology for glass-fiber reinforced nylon 6 parts recovered from end-of-life vehicles. The two have begun verifying this technology, which entails depolymerizing with subcritical water and regenerating the materials as caprolactam, a raw monomer. The first step with this work is to recycle used automotive plastic parts into the same automotive materials. The two companies will develop depolymerization and monomer separation and refining technologies by employing intake manifolds as raw materials for engine intake system parts. They seek to apply these technologies for recycling chemicals in automotive resin parts by around 2027.

## Changes in Core Operating Income

Billion yen



\* Difference in selling price and raw materials' cost and fuel prices of petrochemical-based products, etc. (net)

# Breakdown of Performance Chemicals Segment

Billion yen

	FY Mar/23 Six Months (Apr.-Sept.)		FY Mar/24 Six Months (Apr.-Sept.)		
	Revenue	Ratio	Revenue	Ratio	Changes
Resins, Chemicals	212.3	30%	189.6	30%	-11%
Films	170.2	24%	160.6	25%	-6%
Electronic & Information Materials	28.9	4%	31.3	5%	+8%
Trading, Other	290.7	41%	253.5	40%	-13%
Adjustments	▲ 228.9	-	▲ 201.8	-	-
Total	473.3		433.1		-8%

# Business Results by Segment (Carbon Fiber Composite Materials)

Billion yen

		FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes
Revenue	Toray	41.7	47.1	+5.5 (+13.1)
	Japanese Subsidiaries	33.2	33.4	+0.2 (+0.7%)
	Overseas Subsidiaries	129.7	137.8	+8.1 (+6.3%)
	Adjustments	▲ 64.6	▲ 77.2	-12.6
	Total	140.0	141.1	+1.2 (+0.8%)
Core Operating Income	Toray	5.4	9.2	+3.9 (+71.9%)
	Japanese Subsidiaries	0.7	0.4	-0.3 (-40.9%)
	Overseas Subsidiaries	2.7	2.7	-0.0 (-1.7%)
	Adjustments	▲ 3.1	▲ 4.7	-1.5
	Total	5.6	7.6	+2.0 (+35.9%)

## <Business Performance>

### ■ General

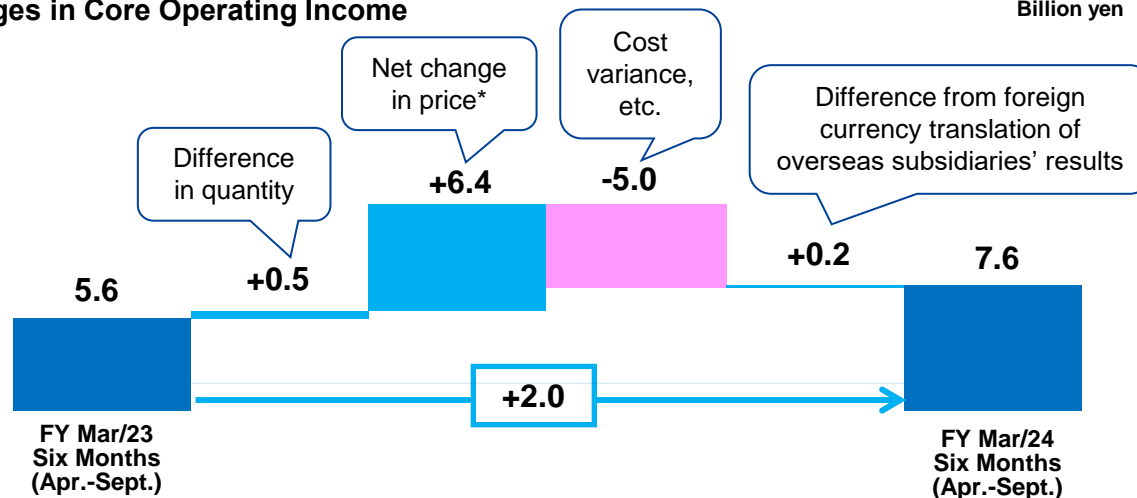
Demand for the aerospace applications showed a recovery trend and the sales of pressure vessels in the industrial applications expanded, even as wind turbine blade applications entered into an adjustment phase.

## <Topics>

- July 2023:  
Aiming to establish a stable supply system in the U.S.A. and South Korea where demand for pressure vessel application is rising and to meet the growing demand for regular tow carbon fiber for industrial application, Toray has decided to increase regular tow carbon fiber production capacity at two facilities of its subsidiaries, Toray Composite Materials America, Inc. and Toray Advanced Materials Korea Inc. Toray plans to increase the Group's current annual capacity of regular tow carbon fiber of 29,000 tons to 35,000 tons. Production is scheduled to begin in 2025.

## Changes in Core Operating Income

Billion yen



\* Difference in selling price and raw materials' cost and fuel prices of petrochemical-based products, etc. (net)

# Breakdown of Carbon Fiber Composite Materials Segment

Billion yen

	FY Mar/23 Six Months (Apr.-Sept.)		FY Mar/24 Six Months (Apr.-Sept.)		
	Revenue	Ratio	Revenue	Ratio	Changes
<b>Aerospace</b>	25.7	18%	<b>39.5</b>	<b>28%</b>	<b>+54%</b>
<b>Sports</b>	19.7	14%	<b>13.4</b>	<b>10%</b>	<b>-32%</b>
<b>Industrial</b>	94.6	68%	<b>88.2</b>	<b>63%</b>	<b>-7%</b>
<b>Total</b>	140.0		<b>141.1</b>		<b>+1%</b>

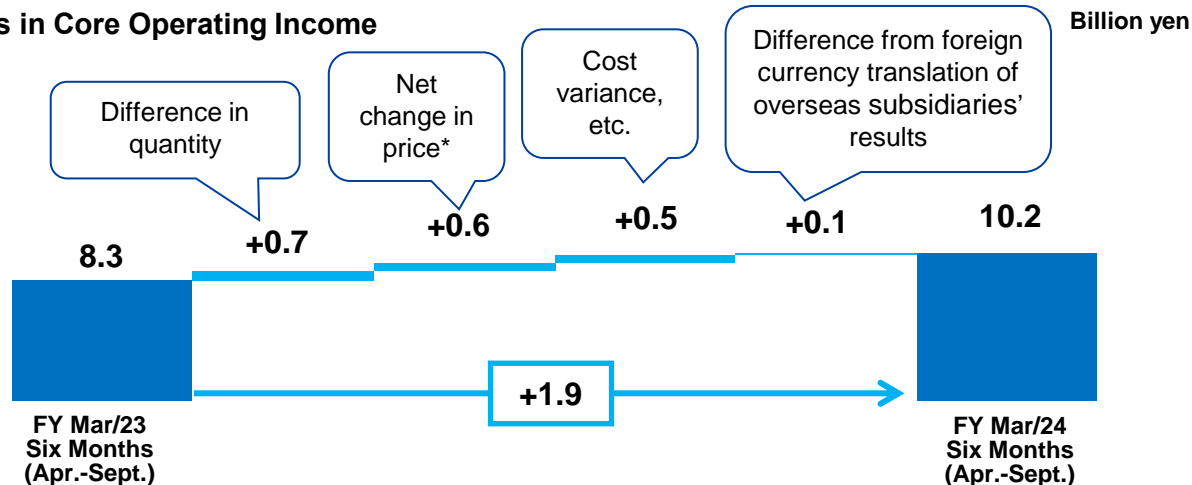
# Business Results by Segment (Environment & Engineering)

		Billion yen		
		FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes
Revenue	Toray	17.8	18.8	+1.1 (+6.0%)
	Japanese Subsidiaries	99.7	108.0	+8.4 (+8.4%)
	Overseas Subsidiaries	31.3	34.1	+2.9 (+9.1%)
	Adjustments	▲ 42.7	▲ 49.5	-6.8
	Total	106.1	111.5	+5.5 (+5.2%)
Core Operating Income	Toray	1.1	2.3	+1.1 (+99.5%)
	Japanese Subsidiaries	2.7	3.1	+0.4 (+15.3%)
	Overseas Subsidiaries	4.7	4.3	-0.4 (-8.1%)
	Adjustments	▲ 0.3	0.4	+0.7
	Total	8.3	10.2	+1.9 (+23.3%)

## <Business Performance>

- **Water Treatment**  
Shipment in the U.S. and China, the two major markets for reverse osmosis membranes, was strong.
- **Japanese Subsidiaries**  
Sales of a construction subsidiary in Japan was strong.

## Changes in Core Operating Income



\* Difference in selling price and price change of products less subject to price effect of petrochemical-based raw materials (net).

# Business Results by Segment (Life Science)

Billion yen

		FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes	
Revenue	Toray	12.0	11.9	-0.2	(-1.5%)
	Japanese Subsidiaries	20.8	20.2	-0.6	(-3.0%)
	Overseas Subsidiaries	8.1	7.2	-0.9	(-11.1%)
	Adjustments	▲ 15.1	▲ 14.5	+0.6	
	Total	25.9	24.8	-1.1	(-4.3%)
Core Operating Income	Toray	▲ 1.2	▲ 1.1	+0.1	( - )
	Japanese Subsidiaries	0.9	0.4	-0.5	(-56.0%)
	Overseas Subsidiaries	0.4	0.3	-0.1	(-22.7%)
	Adjustments	0.2	▲ 0.2	-0.3	
	Total	0.3	▲ 0.5	-0.9	( - )

## <Business Performance>

### ■ Pharmaceutical Business

Sales of oral anti-pruritic drug REMITCH® were affected by the introduction of its generic versions and the NHI drug price revision, and that of orally active prostacyclin derivative DORNER® were affected by inventory adjustment overseas.

\*REMITCH® is a registered trademark of Torii Pharmaceutical Co., Ltd.

### ■ Medical Devices Business

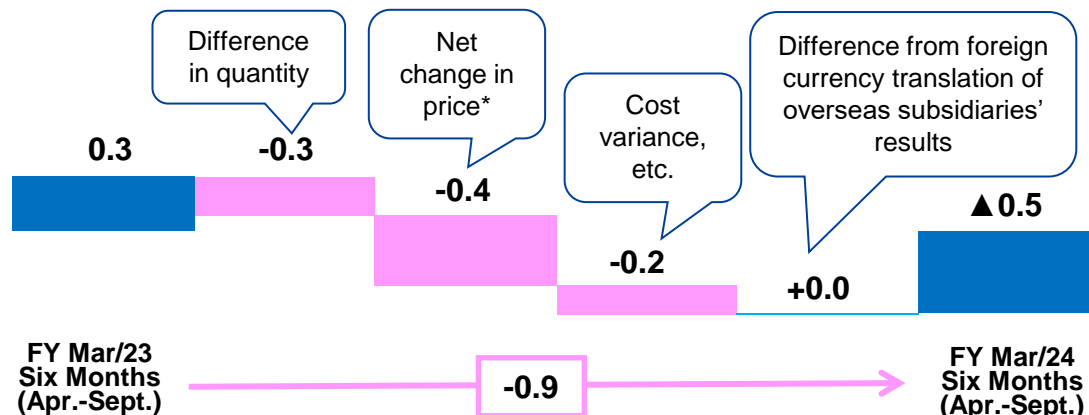
Sales of dialyzers were affected by the soaring prices of raw materials and fuels.

## <Topics>

- Announced in July 2023:  
Toray has received approval from China's National Medical Products Administration (NMPA) for REMITCH® nalfurafine hydrochloride orally disintegrating tablets for hemodialysis patients who find that existing pruritus therapies and treatments offer insufficient efficacy. Chinese integrated biotechnology company 3SBio Inc. will marketing and provide information about this tablet formulation in China (excluding in Hong Kong, Macao, and Taiwan). Toray and 3SBio prepare to launch this product in the first half of 2024.
- Announced in August 2023:  
Regarding TRK-950, an agent for solid tumors Toray is now developing, the company will launch Phase II clinical trials for gastric cancer patients in the U.S.A, Japan, and South Korea for a global comparative study.

## Changes in Core Operating Income

Billion yen



\* Difference in selling price and price change of products less subject to price effect of petrochemical-based raw materials (net).

# Results of Major Subsidiaries and Regions

Billion yen

	Revenue			Core Operating Income		
	FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes	FY Mar/23 Six Months (Apr.-Sept.)	FY Mar/24 Six Months (Apr.-Sept.)	Changes
<b>Toray International, Inc.</b>	326.5	<b>285.1</b>	-41.4	6.9	<b>6.8</b>	-0.0
<b>Toray Engineering Co., Ltd.</b>	53.1	<b>57.5</b>	+4.4	2.1	<b>1.9</b>	-0.1
<b>Toray Construction Co., Ltd.</b>	14.6	<b>19.2</b>	+4.6	▲ 0.5	<b>0.9</b>	+1.4
<b>Toray Advanced Film Co., Ltd.</b>	20.5	<b>18.4</b>	-2.1	1.7	<b>0.6</b>	-1.1

<b>Subsidiaries in Southeast Asia</b>	<b>Fibers &amp; Textiles</b>	86.8	<b>76.6</b>	-10.2	1.7	<b>0.1</b>	-1.6
	<b>Performance Chemicals</b>	54.4	<b>45.2</b>	-9.2	▲ 1.3	<b>▲ 0.8</b>	+0.5
	<b>Other</b>	0.3	<b>0.5</b>	+0.1	0.0	<b>0.0</b>	-0.0
	<b>Total</b>	141.5	<b>122.3</b>	-19.2	0.5	<b>▲ 0.6</b>	-1.1

<b>Subsidiaries in China</b>	<b>Fibers &amp; Textiles</b>	155.4	<b>141.8</b>	-13.6	11.0	<b>12.0</b>	+1.0
	<b>Performance Chemicals</b>	56.9	<b>52.6</b>	-4.3	4.9	<b>3.9</b>	-1.1
	<b>Other</b>	27.3	<b>24.1</b>	-3.2	2.7	<b>2.6</b>	-0.1
	<b>Total</b>	239.6	<b>218.5</b>	-21.1	18.7	<b>18.5</b>	-0.2

<b>Subsidiaries in the Republic of Korea</b>	<b>Fibers &amp; Textiles</b>	55.5	<b>50.2</b>	-5.3	▲ 0.9	<b>▲ 1.2</b>	-0.2
	<b>Performance Chemicals</b>	70.2	<b>81.8</b>	+11.6	0.1	<b>1.6</b>	+1.5
	<b>Other</b>	21.0	<b>17.7</b>	-3.3	3.6	<b>2.1</b>	-1.5
	<b>Total</b>	146.6	<b>149.6</b>	+3.0	2.8	<b>2.6</b>	-0.3



# **Business Forecast for the Fiscal Year Ending March 2024 (Consolidated Basis)**

# Forecast Summary for the Fiscal Year Ending March 2024

## Assumptions for the business forecast

The pace of recovery in the global economy is expected to remain slow due to factors such as the inflation and high interest rates in the U.S. and Europe dampening consumer spending and capital investment, the slow recovery in the Chinese economy, and the situation in the Middle East. The Japanese economy is also expected to show a gradual recovery. However, the deepening real estate recession in China, unstable prices of primary commodities including food and energy, and continued monetary tightening in the U.S. and Europe to tackle the sustained inflation are among downward risks for the economy in Japan and abroad.

Billion yen

		FY Mar/23 Actual	FY Mar/24 Forecast	Changes		Aug. 7 Forecast	Difference from Aug. 7 Forecast
Revenue	1st Half	1,261.8	1,199.4	-62.4	(-4.9%)	1,200.0	-0.6
	2nd Half	1,227.5	1,340.6	+113.1	(+9.2%)	1,360.0	-19.4
	<b>Total</b>	<b>2,489.3</b>	<b>2,540.0</b>	<b>+50.7</b>	<b>(+2.0%)</b>	<b>2,560.0</b>	<b>-20.0</b>
Core Operating Income	1st Half	54.4	48.7	-5.8	(-10.6%)	45.0	+3.7
	2nd Half	41.6	71.3	+29.7	(+71.4%)	75.0	-3.7
	<b>Total</b>	<b>96.0</b>	<b>120.0</b>	<b>+24.0</b>	<b>(+25.0%)</b>	<b>120.0</b>	<b>—</b>
Profit Attributable to Owners of Parent	1st Half	59.1	28.9	-30.2	(-51.2%)	29.0	-0.1
	2nd Half	13.7	42.1	+28.4	(+207.3%)	47.0	-4.9
	<b>Total</b>	<b>72.8</b>	<b>71.0</b>	<b>-1.8</b>	<b>(-2.5%)</b>	<b>76.0</b>	<b>-5.0</b>

Basic Earnings per Share	1st Half	36.92 Yen	18.03 Yen
	2nd Half	8.56 Yen	26.31 Yen
	<b>Total</b>	<b>45.49 Yen</b>	<b>44.33 Yen</b>
Dividend per Share	1st Half	9.00 Yen	9.00 Yen
	2nd Half	9.00 Yen	9.00 Yen
	<b>Total</b>	<b>18.00 Yen</b>	<b>18.00 Yen</b>
Dividend Payout Ratio	<b>Total</b>	<b>40 %</b>	<b>41%</b>

Assumed exchange rate  
(from October)  
**140 yen / US\$**

# Forecast by Segment

Billion yen

		FY Mar/23 Actual			FY Mar/24 Forecast			Changes			Changes from the forecast announced on August 7		
		1st Half	2nd Half	Total	1st Half	2nd Half	Total	1st Half	2nd Half	Total	1st Half	2nd Half	Total
Revenue	Fibers & Textiles	509.0	490.2	999.2	481.2	507.8	989.0	-27.8	+17.6	-10.2	+14.2	-1.2	+13.0
	Performance Chemicals	473.3	436.1	909.4	433.1	495.9	929.0	-40.2	+59.8	+19.6	-7.9	-14.1	-22.0
	Carbon Fiber Composite Materials	140.0	141.7	281.7	141.1	160.9	302.0	+1.2	+19.1	+20.3	-1.9	-4.1	-6.0
	Environment & Engineering	106.1	122.8	228.8	111.5	136.5	248.0	+5.5	+13.7	+19.2	-5.5	+0.5	-5.0
	Life Science	25.9	27.9	53.8	24.8	30.2	55.0	-1.1	+2.3	+1.2	-0.2	+0.2	—
	Others	7.5	8.9	16.4	7.6	9.4	17.0	+0.0	+0.5	+0.6	+0.6	-0.6	—
	Consolidated	1,261.8	1,227.5	2,489.3	1,199.4	1,340.6	2,540.0	-62.4	+113.1	+50.7	-0.6	-19.4	-20.0
Core Operating Income	Fibers & Textiles	23.9	27.4	51.2	27.2	32.3	59.5	+3.3	+4.9	+8.3	+3.7	+1.8	+5.5
	Performance Chemicals	25.1	5.3	30.4	14.5	26.5	41.0	-10.6	+21.2	+10.6	+0.5	-7.5	-7.0
	Carbon Fiber Composite Materials	5.6	10.3	15.9	7.6	12.9	20.5	+2.0	+2.6	+4.6	+0.6	-0.1	+0.5
	Environment & Engineering	8.3	11.5	19.7	10.2	14.8	25.0	+1.9	+3.4	+5.3	-0.8	+1.8	+1.0
	Life Science	0.3	▲ 0.2	0.2	▲ 0.5	0.5	0.0	-0.9	+0.7	-0.2	-0.0	+0.0	—
	Others	1.0	1.5	2.5	0.8	1.7	2.5	-0.2	+0.2	-0.0	-0.2	+0.2	—
	Adjustments	▲ 9.8	▲ 14.1	▲ 23.9	▲ 11.1	▲ 17.4	▲ 28.5	-1.3	-3.2	-4.6	-0.1	+0.1	—
	Consolidated	54.4	41.6	96.0	48.7	71.3	120.0	-5.8	+29.7	+24.0	+3.7	-3.7	—

# Comparison of Core Operating Income (Aug. 7 vs. New) by Segment

Segments	Full-year Core Operating Income Forecast (Billion yen) August 7 → New ( ) difference	Variance Factors
Fibers & Textiles	54.0 → 59.5 (+5.5)	<ul style="list-style-type: none"> <li>Expect challenging business environment to continue, but profitability is expected to improve due to improvement in the first half performance, promotion of passing on cost increases to the sales price, and progress in cost reduction.</li> <li>Expect difficult sales situation for PP spunbond from continued cost competition from oversupply and low demand.</li> </ul>
Performance Chemicals	48.0 → 41.0 (-7.0)	<ul style="list-style-type: none"> <li>In the resins and chemical businesses, expect improvement in profitability as market price of some fine chemical products did not fall as expected.</li> <li>In the film business, expect inventory adjustment for PET films at major customers will be completed and sales to recover. However, the pace of recovery is forecasted to be slow. Meanwhile, subsidiaries in the U.S. and Europe are expected to be affected by the sluggish demand in the respective markets.</li> <li>In the electronic &amp; information material business, expect sales of OLED-related materials and circuit materials of a subsidiary in South Korea to recover, but the pace of recovery is expected to be slower than the previous forecast.</li> </ul>
Carbon Fiber Composite Materials	20.0 → 20.5 (+0.5)	<ul style="list-style-type: none"> <li>Expect large tow to be affected by the sluggish demand for wind turbine blades, more than the previous forecast.</li> <li>In addition to reduction in fixed costs, improvement in profitability from foreign exchange gain and decrease in price of raw materials and fuels are included in the forecast.</li> </ul>
Environment & Engineering	24.0 → 25.0 (+1.0)	<ul style="list-style-type: none"> <li>In the water treatment business, in addition to the strong shipment to the two major markets of reverse osmosis membranes, U.S. and China, included cost improvement and fixed cost reduction in the forecast.</li> <li>An engineering subsidiary expects increase in core operating income due mainly to sales expansion of semiconductor related equipment.</li> </ul>
Life Science	0.0 → 0.0 (±0.0)	<ul style="list-style-type: none"> <li>Same as the previous forecast.</li> </ul>
Other	2.5 → 2.5 (±0.0)	
Reconciliations	▲28.5 → ▲28.5 (±0.0)	
Total	120.0 → 120.0 (±0.0)	



# Reference



# Quarterly Revenue and Core Operating Income by Segment

Billion yen

		FY Mar/2023					FY Mar/2024	
		1Q	2Q	3Q	4Q	Total	1Q	2Q
Revenue	Fibers & Textiles	225.8	283.2	275.7	214.4	999.2	223.8	257.4
	Performance Chemicals	245.0	228.3	225.0	211.1	909.4	214.8	218.3
	Carbon Fiber Composite Materials	68.6	71.4	71.2	70.5	281.7	68.7	72.4
	Environment & Engineering	50.7	55.3	50.1	72.7	228.8	56.0	55.6
	Life Science	12.3	13.6	14.3	13.6	53.8	11.3	13.5
	Others	3.4	4.1	3.6	5.3	16.4	3.4	4.2
	<b>Total</b>	<b>605.9</b>	<b>655.9</b>	<b>640.0</b>	<b>587.5</b>	<b>2,489.3</b>	<b>578.1</b>	<b>621.3</b>
Core Operating Income	Fibers & Textiles	8.7	15.2	15.7	11.6	51.2	10.9	16.3
	Performance Chemicals	16.9	8.2	4.9	0.4	30.4	7.4	7.1
	Carbon Fiber Composite Materials	2.4	3.2	6.2	4.1	15.9	2.7	4.9
	Environment & Engineering	3.5	4.8	4.6	6.9	19.7	6.2	4.0
	Life Science	0.1	0.3	0.2	▲ 0.4	0.2	▲ 0.5	▲ 0.1
	Others	0.4	0.7	0.1	1.4	2.5	0.4	0.4
	Adjustments	▲ 4.8	▲ 5.0	▲ 5.7	▲ 8.4	▲ 23.9	▲ 5.2	▲ 5.9
	<b>Total</b>	<b>27.1</b>	<b>27.3</b>	<b>26.0</b>	<b>15.6</b>	<b>96.0</b>	<b>21.9</b>	<b>26.8</b>

# Quarterly Revenue of Performance Chemicals by Sub-segments

Billion yen

	FY Mar/23					FY Mar/24	
	1Q	2Q	3Q	4Q	Total	1Q	2Q
<b>Resins, Chemicals</b>	108.7	103.6	107.7	99.5	419.5	<b>93.8</b>	<b>95.8</b>
<b>Films</b>	88.6	81.6	76.0	75.3	321.5	<b>79.4</b>	<b>81.2</b>
<b>Electronic &amp; Information Materials</b>	15.8	13.1	13.4	12.9	55.2	<b>15.6</b>	<b>15.7</b>
<b>Trading, Other</b>	150.3	140.4	135.7	120.7	547.1	<b>131.1</b>	<b>122.5</b>
<b>Adjustments</b>	▲ 118.4	▲ 110.5	▲ 107.7	▲ 97.3	▲ 433.8	▲ 105.0	▲ 96.9
<b>Total</b>	245.0	228.3	225.0	211.1	909.4	<b>214.8</b>	<b>218.3</b>

# Quarterly Revenue of Carbon Fiber Composite Materials by Sub-segments

Billion yen

	FY Mar/23					FY Mar/24	
	1Q	2Q	3Q	4Q	Total	1Q	2Q
<b>Aerospace</b>	12.4	13.3	15.8	17.0	58.5	17.8	21.7
<b>Sports</b>	9.5	10.2	9.7	8.1	37.6	6.8	6.7
<b>Industrial</b>	46.8	47.8	45.7	45.4	185.7	44.2	44.0
<b>Total</b>	68.6	71.4	71.2	70.5	281.7	68.7	72.4



# Quarterly Revenue of Major Subsidiaries and Regions

Billion yen

	FY Mar/23					FY Mar/24	
	1Q	2Q	3Q	4Q	Total	1Q	2Q
<b>Toray International, Inc.</b>	150.6	175.9	177.8	138.5	642.7	<b>136.4</b>	<b>148.6</b>
<b>Toray Engineering Co., Ltd.</b>	23.8	29.3	27.2	34.9	115.1	<b>27.1</b>	<b>30.4</b>
<b>Toray Construction Co., Ltd.</b>	7.4	7.3	6.9	18.6	40.1	<b>10.3</b>	<b>8.9</b>
<b>Toray Advanced Film Co., Ltd.</b>	10.4	10.1	10.3	9.5	40.3	<b>9.1</b>	<b>9.3</b>

<b>Subsidiaries in Southeast Asia</b>	<b>Fibers &amp; Textiles</b>	40.4	46.4	43.0	37.6	167.4	<b>35.7</b>	<b>40.9</b>
	<b>Performance Chemicals</b>	29.1	25.3	26.8	24.6	105.8	<b>22.4</b>	<b>22.8</b>
	<b>Other</b>	0.2	0.2	0.2	0.2	0.8	<b>0.3</b>	<b>0.2</b>
	<b>Total</b>	69.6	71.9	70.1	62.3	273.9	<b>58.4</b>	<b>64.0</b>
<b>Subsidiaries in China</b>	<b>Fibers &amp; Textiles</b>	64.1	91.3	80.3	47.9	283.5	<b>64.5</b>	<b>77.3</b>
	<b>Performance Chemicals</b>	30.2	26.7	28.7	26.1	111.7	<b>25.3</b>	<b>27.3</b>
	<b>Other</b>	13.4	13.9	13.5	10.7	51.5	<b>11.8</b>	<b>12.3</b>
	<b>Total</b>	107.7	132.0	122.5	84.7	446.8	<b>101.6</b>	<b>116.9</b>
<b>Subsidiaries in the Republic of Korea</b>	<b>Fibers &amp; Textiles</b>	27.8	27.7	26.1	25.6	107.1	<b>25.3</b>	<b>24.9</b>
	<b>Performance Chemicals</b>	38.1	32.1	31.1	32.9	134.2	<b>39.7</b>	<b>42.1</b>
	<b>Other</b>	10.4	10.6	9.6	10.3	40.9	<b>8.8</b>	<b>8.9</b>
	<b>Total</b>	76.2	70.4	66.8	68.8	282.2	<b>73.8</b>	<b>75.8</b>

# Quarterly Core Operating Income of Major Subsidiaries and Regions

							Billion yen	
		FY Mar/23					FY Mar/24	
		1Q	2Q	3Q	4Q	Total	1Q	2Q
Toray International, Inc.		2.9	3.9	4.0	2.5	13.4	2.8	4.0
Toray Engineering Co., Ltd.		0.8	1.3	1.3	1.8	5.1	0.8	1.1
Toray Construction Co., Ltd.		▲ 0.3	▲ 0.2	▲ 0.2	2.0	1.3	0.9	▲ 0.0
Toray Advanced Film Co., Ltd.		1.1	0.6	0.6	0.4	2.7	0.4	0.2
Subsidiaries in Southeast Asia	Fibers & Textiles	0.4	1.4	0.2	0.1	2.1	▲ 0.5	0.6
	Performance Chemicals	0.7	▲ 2.1	▲ 1.0	▲ 0.5	▲ 2.8	▲ 0.5	▲ 0.3
	Other	0.0	0.0	0.0	▲ 0.0	0.0	0.0	▲ 0.0
	Total	1.1	▲ 0.7	▲ 0.8	▲ 0.4	▲ 0.7	▲ 0.9	0.3
Subsidiaries in China	Fibers & Textiles	4.4	6.6	5.7	3.3	20.1	4.6	7.5
	Performance Chemicals	2.4	2.5	2.2	1.7	8.8	1.9	2.0
	Other	1.5	1.2	1.0	0.6	4.3	1.5	1.1
	Total	8.4	10.3	9.0	5.6	33.2	7.9	10.6
Subsidiaries in the Republic of Korea	Fibers & Textiles	▲ 0.6	▲ 0.4	▲ 0.8	▲ 0.6	▲ 2.3	▲ 0.0	▲ 1.1
	Performance Chemicals	1.4	▲ 1.3	▲ 2.5	▲ 2.8	▲ 5.1	1.2	0.4
	Other	1.7	1.9	1.5	1.3	6.4	1.3	0.9
	Total	2.6	0.2	▲ 1.8	▲ 2.0	▲ 1.0	2.4	0.2

# External Evaluations from the Perspectives of ESG

## ■ CDP

December 2022



Water Security: A+  
Climate Change: A-

## ■ Selected as a component of major overseas indexes

Member of  
**Dow Jones  
Sustainability Indices**  
Powered by the S&P Global CSA

December 2022  
Dow Jones Sustainability Index (DJSI),  
Asia Pacific

## ■ MSCI

May 2023



September 2022  
MSCI ESG Leaders Indexes

## ■ S&P Global Sustainability Yearbook Member

February 2023



FTSE4Good  
June 2022  
FTSE4Good Index Series

## ■ Selected for indices used by GPIF



FTSE Blossom  
Japan Index



FTSE Blossom  
Japan Sector  
Relative Index



2023 CONSTITUENT MSCI JAPAN  
ESG SELECT LEADERS INDEX

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