

# Indicators and Targets

## ● Nikon Long-Term Environmental Vision and Medium-Term Environmental Goals

Materiality	Nikon Long-Term Environmental Vision Target Year: Fiscal Year 2050	Vision	What Nikon Will Do	Nikon Medium-Term Environmental Goals Target Year: Fiscal Year 2030
Materiality 3 Promoting a Decarbonized Society	Realizing a Decarbonized Society	Reaching Net-Zero throughout the value chain by fiscal year 2050	<ul style="list-style-type: none"> <li>Improve manufacturing facilities and production processes and promote decarbonization</li> <li>Promote Eco-office and diverse work styles to achieve a decarbonized workstyle</li> <li>Accelerate renewable energy adoption</li> </ul>	<ul style="list-style-type: none"> <li>Reduce greenhouse gas emissions (Scope 1*1 and Scope 2*2) by 57% *3 compared to fiscal year 2022</li> <li>Achieve renewable energy adoption rate of 100%</li> </ul>
			<ul style="list-style-type: none"> <li>Visualize the environmental impact in each process within products' lifecycles and implement new environmental initiatives harnessing expertise</li> <li>Downsize cargo, promote modal shift and establish a transportation system requiring minimal energy</li> <li>Require procurement partners to formulate and pursue greenhouse gas reduction targets</li> </ul>	<ul style="list-style-type: none"> <li>Reduce Scope 3*3 greenhouse gas emissions by 25% compared to fiscal year 2022</li> </ul>
Materiality 4 Promoting resource circulation	Realizing a Resource Circulating Society	Minimize resource consumption and maximize resource circulation throughout the value chain	<ul style="list-style-type: none"> <li>Reduce waste through streamlining processes from development to manufacturing</li> <li>Minimize the amount of abrasives used</li> </ul>	<ul style="list-style-type: none"> <li>Achieve the following zero emissions levels*4 at all manufacturing companies Japan: Level 5 Group manufacturing companies in China: Level 1 Other Locations: Levels determined individually</li> <li>Reduce total amount of waste generated by 10% or more compared to fiscal year 2018</li> </ul>
			<ul style="list-style-type: none"> <li>Promote the 3Rs of water (reduce water consumption, and recycle and reuse water)</li> <li>Take into account the impacts that products have on the environment from the initial planning phase onwards and promote the 3Rs*6 throughout the product lifecycle</li> </ul>	<ul style="list-style-type: none"> <li>Reduce freshwater consumption*5 by 5% compared to fiscal year 2018</li> <li>Reduce waste by extending product life, reducing size, decreasing weight, etc.</li> <li>Reduce the amount of plastic packaging materials used by 10% compared to fiscal year 2022</li> <li>Promote the reuse and recycling of products, parts, materials, and related packaging materials</li> <li>Use at least 5% recycled materials in products</li> <li>Ensure at least 10% of plastic packaging materials are recycled or biomass plastics.</li> </ul>
Materiality 5 Preventing pollution and conserving ecosystems	Realizing a Healthy and Environmentally Safe Society	Have zero negative impacts on human health or ecosystems in the value chain	<ul style="list-style-type: none"> <li>Comply with the laws, ordinances and regulations of the countries and regions where we operate and also manage the use of chemical substances appropriately based on more rigorous voluntary targets</li> </ul>	<ul style="list-style-type: none"> <li>Zero usage of hazardous chemical substances*7 in manufacturing processes</li> <li>Zero hazardous chemical substances contained in products*8</li> </ul>
			<ul style="list-style-type: none"> <li>Conduct ecosystem conservation activities</li> <li>Quantify and minimize impact and dependence on ecosystems</li> </ul>	<ul style="list-style-type: none"> <li>Continue activities to preserve the environment in the vicinity of company facilities to contribute to the prevention of marine plastic pollution</li> <li>Product catalogs: Electronic data or FSC-certified paper 100%</li> <li>Instruction Manuals: Electronic data or FSC-certified paper/recycled paper (80% or more recycled pulp content) 100%</li> <li>Packing boxes: FSC-certified paper or recycled paper 100%</li> </ul>

\*1 Scope 1: Direct greenhouse gas emissions from the use of fuel on site.

\*2 Scope 2: Indirect greenhouse gas emissions from the consumption of purchased electricity or heat.

\*3 Scope 3: Indirect greenhouse gas emissions related to business activities in the value chain (excluding emissions already included in Scope 1 and 2).

\*4 Achieving zero emissions level: The concept of zero emissions was first advocated by the United Nations University (UNU) in 1994. It is an approach that seeks to reduce the waste to net zero for society as a whole, by using the waste generated in industrial activity as resources for other industries. The Nikon Group has introduced level-specific targets into zero emissions initiatives. Zero emissions Level 1 refers to a final landfill disposal rate of less than 1%. Zero emissions Level 5 refers to a final landfill disposal rate of 0.5%.

\*5 Freshwater consumption: Sum of water withdrawal volumes A, B, and C, minus returned water volume D (A+B+C-D).

A: Water withdrawal from municipal water supply facilities (tap water, industrial water, etc.) B: Water withdrawal from surface water (lakes, rivers, etc.) C: Water withdrawal from groundwater D: Return water of equal or better quality than the withdrawal source (applicable to B and C only)

\*6 3R: Here, "3R" means to Reduce the amount of resources used and the amount of waste generated, to Reuse products and components, and to Recycle.

\*7 Hazardous chemical substances: Here, "hazardous chemical substances" refers to prohibited substances as defined in the Hazardous Chemical Substances Guideline, a voluntary standard.

\*8 Zero hazardous chemical substances contained in products: Here, "contained" is defined as having an amount that exceeds the threshold level specified by law.

● Environmental Action Plan Achievements for the Fiscal Year 2023 [Summary]

Self-evaluation ○:Achieved △:Measures started but not yet achieved

Materiality		Targets for Fiscal Year 2023		Result	Self-Evaluation	Corresponding Page
Decarbonized society	Materiality 3 Promoting a Decarbonized Society	Greenhouse gas reduction	• Reduced Scope 1 and Scope 2 greenhouse gas emissions by 36.5% compared to fiscal year 2013	• Reduced greenhouse gas emissions (Scope 1 and Scope 2) by 66.9% compared to fiscal year 2013	○	p.073
			• Achieve a renewable energy adoption rate of 25% or higher in electricity used for business activities	• Renewable energy share of electricity used for business: 69.3%	○	p.075
		Reduce the environmental impact from products	• Reduce environmental impact by making effective use of the LCA methodology • Create Eco-friendly products 50% or more	• Continued to expand the range of product models subject to LCA calculation (100% for new products) • Approximately 79% of new products certified as Eco-friendly products	○	p.066, 074
		Reduction of the environmental impact of transportation	• Reduce greenhouse gas emissions in distribution by 2.7% year on year	• Reduced greenhouse gas emissions in distribution by 16.1% year on year	○	p.078
		Engagement with procurement partners	• Identify CO <sub>2</sub> emissions of critical procurement partners (30 or more companies) • Hold workshops for procurement partners (at least twice)	• Identified CO <sub>2</sub> emissions of critical procurement partners (34 companies) • Held workshops for procurement partners (three times yearly)	○	p.074
Resource circulating society	Materiality 4 Promoting resource circulation	Zero emissions	• Nikon and Group manufacturing companies in Japan: Maintain level 5 • Group manufacturing companies in China: Maintain level 1 • Group manufacturing companies outside Japan: Implement initiatives in line with the actual conditions and circumstances of the country	• Nikon and Group manufacturing companies in Japan: Maintained level 5 (final landfill disposal rate of 0.09%) • Group manufacturing companies in China: Maintained level 1 (final landfill disposal rate of 0.6%) • Group manufacturing companies outside Japan: Conducted disposal in accordance with respective national laws and regulations	○	p.085
		Waste reduction	• Reduced total waste emissions from business activities by 3% compared to fiscal year 2018 (Total waste discharge: 7,538 tons or less)	• Reduced total waste emissions from business activities by 20% compared to fiscal year 2018	○	p.085
		Promotion of the appropriate use and effective utilization of water	• Reduce freshwater consumption by 2% compared to fiscal year 2018 (Freshwater consumption in fiscal year 2018: 1,877,000 m <sup>3</sup> )	• Reduced freshwater consumption by 3.4% compared to fiscal year 2018	○	p.087
		Promotion of reduce, reuse and recycling	1) Reduce • Reduce environmental impact of products and packaging materials (reduce size, extend product life, etc.)	• Reduce foamed plastic cushioning material for certain imaging products and microscopes (shift from plastic to paper)	○	p.083
			2) Reuse • Promote reuse of products, parts, materials, and packaging	• Launched a service in China to refresh and return glass components in used FPD lithography systems • Continued sales of used semiconductor lithography systems	○	p.081
	3) Recycle • Promote use of recycled materials in products	• Use recycled materials for certain imaging products	○	p.082		
Healthy and environmentally safe society	Materiality 5 Preventing pollution and conserving ecosystems	Reduction of hazardous chemical substances, etc	• Determine measures to abolish prohibited level hazardous chemical substances based on the Hazardous Chemical Substances Guideline; implement measures in order	• Installed dichloromethane detoxification equipment at the Nikon Kumagaya plant • Replaced HFCs used for cleaning with alternative substances • Launched a company-wide project related to PFAS restrictions under the EU REACH regulation; began identifying target substances and alternatives	○	p.095
			• Comply with the hazardous chemical substances laws and regulations of each country • Strengthen the management system for hazardous chemical substances contained in products	• The artificial leather on the exterior of certain binoculars (Professional Series) contains substances restricted under the REACH Regulation • Strengthened the internal management system for hazardous chemical substances contained in products	△	p.093
		Implementation of activities aimed at biodiversity conservation	• Perform local contribution activities related to marine plastic pollution issues at least once a year at each business facility	• Perform local contribution activities related to prevention of marine plastic pollution: at least once a year at each business facility; 31 times annually	○	p.101
			• Promote paperless operations or the use of FSC-certified paper for paper items bearing the Nikon logo	• Digitized product catalogs and instruction manuals • Approximately 85% of newly ordered product catalogs for use in Japan, North America, and Europe are printed on FSC-certified paper, excluding special paper types	○	p.100

● Environmental Action Plan Targets for Fiscal Year 2024 [Summary]

Materiality		Targets for Fiscal Year 2023	
Decarbonized society	Materiality 3 Promoting a Decarbonized Society	Greenhouse gas reduction	<ul style="list-style-type: none"> <li>Reduce Scope 1 and Scope 2 greenhouse gas emissions by 50% compared to fiscal year 2022</li> <li>Achieve a renewable energy adoption rate of 69% or higher in electricity used for business activities</li> </ul>
		Reduce the environmental impact from products	<ul style="list-style-type: none"> <li>Reduce environmental impact by making effective use of the LCA methodology</li> <li>Create at least 50% eco-friendly products</li> </ul>
		Reduction of the environmental impact of transportation	<ul style="list-style-type: none"> <li>Reduce greenhouse gas emissions in distribution by 2.7% year on year</li> </ul>
		Engagement with procurement partners	<ul style="list-style-type: none"> <li>Identify CO<sub>2</sub> emissions of critical procurement partners (70 or more companies)</li> </ul>
Resource circulating society	Materiality 4 Promoting resource circulation	Zero emissions	<ul style="list-style-type: none"> <li>Nikon and Group manufacturing companies in Japan: Maintain level 5</li> <li>Group manufacturing companies in China: Maintain level 1</li> <li>Group manufacturing companies outside Japan: Implement initiatives in line with the actual conditions and circumstances of the country</li> </ul>
		Waste reduction	<ul style="list-style-type: none"> <li>Reduce total waste emissions from business activities by 4% or more compared to fiscal year 2018 (total waste emissions: 7,460 tons or less)</li> </ul>
		Promotion of the appropriate use and effective utilization of water	<ul style="list-style-type: none"> <li>Reduce freshwater consumption by at least 2% compared to fiscal year 2018 (freshwater consumption in fiscal year 2018: 1,877,000 m<sup>3</sup>)</li> </ul>
		Promotion of reduce, reuse and recycling	<ol style="list-style-type: none"> <li>Reduce                             <ul style="list-style-type: none"> <li>Reduce environmental impact of products and packaging materials (reduce size, extend product life, etc.)</li> </ul> </li> <li>Reuse                             <ul style="list-style-type: none"> <li>Promote reuse of products, parts, materials, and packaging</li> </ul> </li> <li>Recycle                             <ul style="list-style-type: none"> <li>Promote use of recycled materials in products</li> </ul> </li> </ol>
Healthy and environmentally safe society	Materiality 5 Preventing pollution and conserving ecosystems	Reduction of hazardous chemical substances, etc.	<ul style="list-style-type: none"> <li>Determine measures to abolish prohibited level hazardous chemical substances based on the Hazardous Chemical Substances Guideline; implement measures in order</li> <li>Comply with the hazardous chemical substances laws and regulations of each country</li> <li>Strengthen the management system for hazardous chemical substances contained in products</li> </ul>
		Implementation of activities aimed at biodiversity conservation	<ul style="list-style-type: none"> <li>Perform local contribution activities related to preventing marine plastic pollution or other biodiversity conservation at least once a year at each business facility</li> <li>Promote paperless operations or the use of FSC-certified paper for paper items bearing the Nikon logo</li> </ul>