

# Environmental Targets and Results

## Environmental management

Category		Target			FY 2004			Target for FY 2005
		Item	Targeted value	Target FY	Target figure	Result	Rating	
Environmental activities assessment	Promoting activities on GREEN 21 Version 2	Increasing green points	640GP	2005	533GP	559 GP (non-consolidated)	○	640GP
						541 GP (consolidated)	○	
Enhancement of the environmental management system		Compliant with the Hitachi Group Integrated Environmental Management System	Compliance	2005	—	Draft prepared	—	Compliant
		Compliant with ISO 14001:2004	Compliance	2005	—	Under preparation	—	Compliant

## Environmental performance

Category		Target			FY 2004			Target for FY 2005
		Item	Targeted value	Target FY	Target figure	Result	Rating	
Development activity for environmentally friendly products	Expansion of green products	Ratio of green products in sales	80% or more	2006	70% or more	76% (non-consolidated) 73% (consolidated)	○ ○	80% or more
	Compliance with RoHS Directive	Consumption of chemical hazardous substances (hexavalent chromium, lead, mercury, cadmium, PBB and PBDE)	0	2006 (June)	—	Content investigated	—	No content in all products
Prevention of global warming	Reduction of CO <sub>2</sub> emissions	CO <sub>2</sub> emissions (compared to FY 1990)	93% or less	2010	93% or less	78% (non-consolidated) 87% (consolidated)	◎ ○	77% or less (non-consolidated) 86% or less (consolidated)
		CO <sub>2</sub> unit requirement index (compared to FY 1990)	75% or less	2010	82% or less	80% (non-consolidated)	○	81% or less
	Reduction of other greenhouse gas emissions	SF <sub>6</sub> emissions	3% or less	2005	3% or less	1% or less	○	1% or less
	Reduction of CO <sub>2</sub> emissions from transportation	CO <sub>2</sub> emissions from transportation	Increased transport efficiency	2010	—	Modal shift promoted	—	Transport efficiency grasped
Reduction of wastes		Ratio of waste disposed of as landfills	1% or less	2005	1% or less	0.004% (non-consolidated)	◎	1% or less
						0.7% (33 consolidated/domestic sites)	○	
						3.9% (consolidated)	△	
		Waste disposed of in landfills	Less than 5 tons/year-site	2005	Less than 5 tons/year-site	0.2 tons/year-site (non-consolidated)	◎	Less than 5 tons/year-site
						15.2 tons/year-site (33 consolidated/domestic sites)	△	
						111 tons/year-site (consolidated)	△	
		Amount of waste (compared to FY 1991)	100% or less	2010	100% or less	124% (non-consolidated)	△	100% or less
132% (33 consolidated/domestic sites)	△							
126% (consolidated)	△							
Recycling ratio	90% or more	2010	84% or more	90% (non-consolidated)	○	85% or more		
				87% (33 consolidated/domestic sites)	○			
				81% (consolidated)	△			
Disposal of devices including PCB		Totally disposed with detoxification treatment	2016	—	Appropriately stored	—	Partially started	
Control of chemical substances	Reduction of chemical substance release	Amount of emission into the atmosphere (compared to FY 2000)	10% or less	2007	30% or less (non-consolidated) 70% or less (consolidated)	24% (non-consolidated) 38% (consolidated)	○ ◎	15% or less (non-consolidated) 25% or less (consolidated)
	Establishment of a Comprehensive Control System for Chemical Substance	Comprehensive Control System for Chemical Substance	Enhanced system	2006	—	Database constructed	—	Operation started

Rating: ◎: Above the target ○: On target △: Below the target

## Environmental communication

Enhancement of environmental communication	<ul style="list-style-type: none"> <li>• Disclosure of environmental information via PR activities, sustainability reports, site reports, website, etc.</li> <li>• Communication with external organizations via exhibitions, local activities, etc.</li> <li>• Information disclosure to local residents via inviting them to our sites, introducing the Group's environmental activities, etc.</li> <li>• Promotion of social contribution through active participation in volunteer activities, etc.</li> </ul>
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## About GREEN 21 Version 2

Since 1998, the Hitachi Group and the Hitachi Chemical Group have used the GREEN 21 program to evaluate our environmental activities. A numerical rating system was adopted in the initiative. Set objectives, as well as the mechanism and degree of objective achievement, were self-evaluated according to the standards, leading to the improvement of such activities. In 2002, the Groups started the GREEN 21 Version 2 initiative, where new evaluation indicators were added and the targets were further raised. The Group will strive to achieve the target at 640 GP (Green Point) and above in 2005.

## Target achieved in 2004

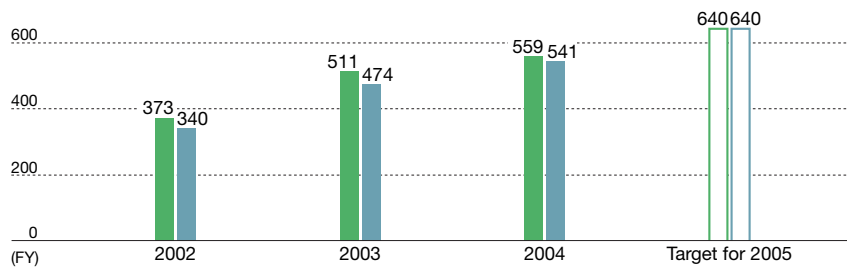
The number of points earned in 2004 increased over the previous year from 511 GP to 559 GP on non-consolidated bases and from 474 GP to 541 GP on a consolidated basis, exceeding the target of 533 GP. Higher targets were voluntarily set and strictly controlled, so that points were steadily improved in all eight categories. The eco-products and sustainable business models categories made substantial improvement as a result of the focus on product development with attention to all stages of the product life cycle. In 2005, the Group will further enhance environmentally friendly products development and reduction of CO<sub>2</sub> emissions by energy saving to achieve its target of 640 GP.

## Evaluation criteria of GREEN 21 Version 2

Category	Principal performance indicators
Eco-management (environmental management)	Environmental management, action plans, and environmental accounting
Eco-management (risk management)	Compliance with laws and voluntary standard setting
Eco-mind	Training and education of employees
Eco-products	Assessment of products and services, green procurement and transportation
Eco-factories (prevention of global warming)	Energy saving and CO <sub>2</sub> reduction
Eco-factories (resource circulation)	Waste reduction and chemical substance control
Joint creation with stakeholders	Information disclosure, communication, and community activities
Sustainable business models	Organization, plans, product recycling, and activity for environmental restoration

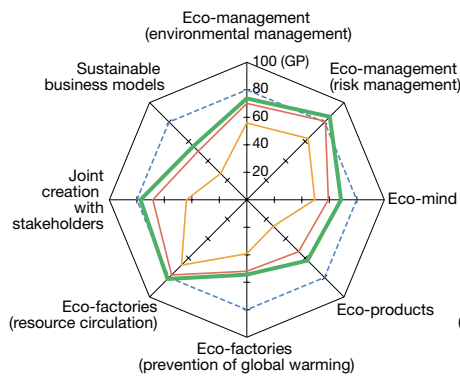
## Evaluation results

(GP) ■ Non-consolidated ■ Consolidated



## Evaluation radar chart (Non-consolidated)

(FY) — 2002 — 2003 — 2004 - - Target for 2005



## Evaluation radar chart (Consolidated)

(FY) — 2002 — 2003 — 2004 - - Target for 2005

