

FY2017 Environmental Activities Report

* Scope: Hitachi Transport System and its consolidated domestic group companies (21 firms)

No	Objective	Action Plan	FY 2017 (see Note 1)	
			Goal	Performance
Compliance of laws and ordinances (including regulations)				
1	Prevent global warming	Reduce per-unit energy consumption for buildings	3% reduction to compared to FY2014	▲1%
2	Promote resource recycling	Appropriately manage waste	Firmly promote waste treatment compliant with the applicable laws and ordinances	Carried out the stated goal
3	Increase environmental control levels	Observe applicable laws and ordinances	Correct handling to comply with relevant laws and regulations related to CFCs, PCBs, septic tanks, automobiles, etc.	Carried out the stated goal
Reduction of environmental burden				
4	Prevent global warming	Reduce vehicle CO2 emissions per mile	3% reduction to compared to FY2014	+2.5%
		Reduction of overall CO2 emissions (Group total)	1% reduction compared to the previous year	▲2.6%
		(Group total) Total CO2 emissions in fiscal 2017 ; 132,122t, CO2 emissions per building floor space unit ; 27.4kg/m ² (Breakdown of total CO2 emissions by group headquarters' areas of jurisdiction) 1) East Japan Area HQ Group ; 37,987t 2) Metropolitan Area HQ Group ; 15,336t 3) Midland Japan Area HQ Group ; 11,194t 4) West Japan Area HQ Group ; 31,423t 5) Main Head Office ; 29,149t 6) Other Group Companies ; 7,033t		
5	Promote modal shift	Differentiation of ourselves from competitors with regard to the transportation of precision instruments, recyclable products, etc., and development of new customers and new routes with existing customers	Implementation of modal shift by railways for precision equipment, etc. (see Note 2 1) 2))	
6	Promote resource recycling	Improve the recycling rate (see Note 3)	99%	99.6%
		(Group total) Waste generated in fiscal 2017 ; 33,304t (Breakdown of total waste generated by group headquarters' areas of jurisdiction) 1) East Japan Area HQ Group ; 9,711t 2) Metropolitan Area HQ Group ; 2,427t 3) Midland Japan Area HQ Group ; 2,905t 4) West Japan Area HQ Group ; 8,462t 5) Main Head Office ; 7,865t 6) Other Group Companies ; 1,934t		
7	Promote resource recycling	reduce per-unit water consumption(see Note 4)	1% reduction compared to the previous year	▲2.2%
		(Group total) water usage ; 333,803m ³ (Breakdown of water usage by Group headquarters' areas of jurisdiction) 1) East Japan Area HQ Group ; 107,461m ³ 2) Metropolitan Area HQ Group ; 34,628m ³ 3) Midland Japan Area HQ Group ; 17,338m ³ 4) West Japan Area HQ Group ; 83,574m ³ 5) Main Head Office ; 50,072m ³ 6) Other Group Companies ; 40,730m ³ (Breakdown of per-unit water usage by Group headquarters' areas of jurisdiction) 1) East Japan Area HQ Group ; 0.096m ³ /m ² 2) Metropolitan Area HQ Group ; 0.082m ³ /m ² 3) Midland Japan Area HQ Group ; 0.061m ³ /m ² 4) West Japan Area HQ Group ; 0.103m ³ /m ² 5) Main Head Office ; 0.086m ³ /m ² 6) Other Group Companies ; 0.192m ³ /m ²		
8		Raise green purchasing percentages (see Note 5)	90%	90.0%

9		Replace vehicles with eco-friendly ones having better environmental performance (new model eco-friendly vehicles) (see Note 6)	(Compare eco-friendly vehicles)100%	100%
			(Compare new model eco-friendly vehicles)90%	90%
10	Boost environmental actions for logistics services	Promote eco-friendly driving (Implement eco-friendly driving re-education) 1) Promotion managers 2) Group owner drivers	1) Promotion managers (To be completed during H1) 2) Group owner drivers (all) (To be completed during FY)	1) 100% 2) 83.0%
11	Preserve biodiversity and ecosystems	Protect forest resources	Reduce copy paper consumption by 1% or more compared with the previous year	▲2.9% (Equivalent to A4 paper)
Education & communication				
12		Enhance communication with employees (environmental enlightenment activities)	Distribute environmental information for employees (once a month)	Carried out the stated goal
13	Promote communication on the environment	Continue social action projects on the environment	Clean-up activity outside our location (once a month) Implement lights-off (twice a year)	Participation in clean-up activity around our work place and in the area, implement lights-off on the summer solstice and the Star Festival, install green wall, etc.
14		Implement more public relations projects on the environment (Improve Information disclosure)	Apply for environmentally relevant awards, release environmental ads, disclose information, etc.	Winning 3 awards from groups outside the company (see Note 2), information disclosure on the website
15	Raise environmental awareness	Boost attendance for e-learning courses on the environment	95%	99.8%
Environmental management				
16		Use the "Energy-saving Inspection Sheet" to promote improved operations [domestic]	(Once per half year) Implemented	Carried out the stated goal (424 locations)
17	Increase environmental control levels	Promote environmental management through the environmental business operation system "Eco-Stage" [domestic]	Undertake activities led by Main Office [Green Logistics Promotion Department]	Acquired "Eco-Stage 2" certification in FY 2017
18		Promote the issuing of "electronic manifesto" on industrial waste	100%	100%

Note 1: The figures are on a consolidated Hitachi Transport System Group basis

Note 2: Awards from groups outside the company .

1) 18th Logistics Environment Awards (Logistics environmental impact mitigation techniques Development Award)
; Japan Association for Logistics and Transport Sponsored .

Subject ; Efforts of recycled resources goods transport of modal shift

2) 4th Modal shift initiatives excellent business Award (new business development department) ; Japan Association
for Logistics and Transport sponsored .

Subject ; Railway long-distance modal shift of precision equipment (banking terminal)

3) Japan Packaging Contest 2017 Appropriate Packaging Award ; Japan Packaging Institute sponsored .

Note 3: Recycling Rate = (Reuse Amount + Recycling Amount + Heat Recovery Amount) / Total Emissions

Note 4: per-unit water consumption (water usage per total floor space) .

* We changed the target from total amount to basic unit.

Note 5: Green Purchasing Rate: the ratio of office supplies purchased at the e-sourcing MALL (an electronic purchasing system) that are environmentally-friendly products .

Note 6) New eco-car categories: Compressed natural gas vehicles, hybrid vehicles, electric vehicles, liquefied petroleum gas (LPG) vehicles (including dual fuel use), "Fuel-efficient vehicles (2010 fuel efficiency standards)" and "Low-emission vehicles (2005 regulations)" recognized as such by the national government, "Post new long-term regulation vehicles (2009 regulations), fuel cell vehicles, and biofuel vehicles.