

Accomplishments in fiscal ended March 2008 in relation to targets to be met by fiscal ending March 2009 and new targets to be met by fiscal ending March 2011

JR East has set environmental targets, with which we quantitatively and qualitatively review our performance in order to identify the causes of issues, and uses this information for improvement in the following fiscal year.

Accomplishments of environmental targets to be met by fiscal ending March 2009 and new targets to be met by fiscal ending March 2011

Category of environmental conservation activities	Main activities	Target to be met by fiscal 2009	Base value (base year: fiscal 1991)
Measures to prevent global warming	Total CO ₂ emissions from railway business activities	22% reduction (as compared with fiscal 1991) (2.15 million t-CO ₂)	2.76 million t-CO ₂
	CO ₂ emissions per unit electricity generated at JR East's thermal power plant	40% reduction	726g-CO ₂ /kWh
	Energy-efficient railcar utilization rate	82%	—
	Electricity used for train operation	—	—
	Train energy consumption per unit transport volume	19% reduction	20.6MJ/car-km
	Train electricity used per unit transport volume	—	—
	Energy saving at stations and offices	—	—
	Large refrigerators using specified chlorofluorocarbons (CFCs)	100% reduction	82
Measures for resource circulation	Recycling rate for waste generated at stations and on trains	45%	—
	Recycling rate for waste generated at General Rolling Stock Centers, etc.	85% (Average for 4 years of plan) ^{*1}	—
	Recycling rate for waste generated in construction projects	92% (Average for 4 years of plan) ^{*1}	—
	Recycling rate for general waste	43%	—
	Recycled office paper utilization rate	100%	—
Chemical substance management	NO _x emissions from JR East's thermal power plant	63% reduction	994t
Environmental activities along railway lines	Reduction of noise to 75dB or less along the Tohoku and Joetsu Shinkansen lines (in designated noise control area) ^{*2}	100% (Target to be met by fiscal 2010)	—
Environmental communication	Participation in specific environmental protection activities every year	Participation in tree planting, etc.	—
Environmental management	Setting of numeric targets by all group companies	—	—

■ Targets for the JR East Group

^{*1} average for 4 years of plan Fiscal 2006-2009 average.

^{*2} Measures to reduce noise along the Tohoku and Joetsu Shinkansen lines

As we have expanded the coverage of noise reduction measures along Shinkansen lines since fiscal 2007, we are now working on the targets to be achieved by fiscal 2010.

Results for fiscal 2008	Evaluation	Targets to be met by fiscal 2011	Described on pgs
23% reduction (2.12 million t-CO ₂) - Law Concerning the Promotion of the Measures to Cope with Global Warming	Achieved	50% reduction by fiscal 2031 (relative to fiscal 1991) 2.76 million t-CO ₂ → 1.38 million t-CO ₂ (reduction by 1.38 million t-CO ₂)	P24~P27 -Web
24% reduction (2.09 million t-CO ₂) - relative to target management values *3		32% reduction by fiscal 2018 (relative to fiscal 1991) 2.76 million t-CO ₂ → 1.88 million t-CO ₂ (reduction by 0.88 million t-CO ₂)	
37% reduction (456g-CO ₂ /kWh) - Law Concerning the Promotion of the Measures to Cope with Global Warming	Achieved	Not target is established because CO ₂ emissions are controlled in the total CO ₂ emissions from railway business activities.	P28-Web
40% reduction (433g-CO ₂ /kWh) - relative to target management values *3			
85%	Achieved	86%	
4.14 billion kWh	—	2% reduction (relative to fiscal 2007) 4.17 billion kWh → 4.09 billion kWh (reduction by 80 million kWh)	
14% reduction (17.8MJ/car-km) - Law Concerning the Rationalization of the Energy use. 17% reduction (17.0MJ/car-km) - relative to target management values *3		No target has been established because the basic unit is managed by newly adopted "Train electricity per unit transport volume"	
1.83kWh/car-km	—	2% reduction (relative to fiscal 2007) 1.85 kWh/car-km → 1.81 kWh/car-km (reduction by 0.04kWh/car-km)	
16.1 billion MJ	—	4.5% reduction (relative to fiscal 2007 value) 15.3 billion MJ → 14.6 billion MJ (reduction by 0.7 billion MJ)	
100% reduction	Achieved	Has been achieved in fiscal 2008	
64%	Achieved	70%	
93%		95%	
92%		92%	
48%	Achieved	No target has been established because all group companies set their own numerical target.	
92%*4		100%	
67% reduction (330t)	Achieved	There is no target because all available measures with the current technology have been taken.	Web
63%		100% (Fiscal 2010 targets have been achieved)	P29-Web
37 thousand trees planted at 15 locations by 3,500 participants		Participation in tree planting, etc.	P30
—		All group companies set their own numerical targets	P12-Web

Results for Fiscal ended March 2008

In fiscal ended March 2008, we achieved our targets in 7 activities. For three of our performance indicators among the measures to prevent global warming, the coefficients based on laws and the values calculated using the coefficients when the fiscal ending March 2009 target were set are used to clearly represent the changes of our measures on a year-to-year basis.

CO₂ emissions were similar to those in fiscal ended March 2007. Our own hydroelectric power plant produced less electricity in fiscal ended March 2008 than fiscal ended March 2007 due to less volume of river water in fiscal ended March 2008. We therefore, increased the rate of operation of our thermal power plant, and led to a higher volume of CO₂ emissions from the thermal power plant. On the other hand, as a result of the improvement of CO₂ emissions coefficients, the CO₂ emissions in fiscal ended March 2008 ended at the level of fiscal ended March 2007.

At the end of March 2008, "JR East 2020 Vision - i do mu - " was presented. And based on it, the environment targets set to be achieved by fiscal ending March 2009 were revised in June 2008. We will set new targets and strive even harder to reduce the CO₂ emissions, and make more effort to achieve higher numerical targets for waste recycling which we have been long committed.

Progress toward fiscal 2009 targets

Achieved Achieved
 Satisfactory
 Behind schedule

*3 relative to target management values

The values calculated using the coefficients when the fiscal ending March 2009 target were set are used to clearly represent the changes of our measures on a year-to-year basis.

*4 Recycled office paper utilization rate Papers sold as recycled paper by manufacturers are calculated as recycled paper.