

Progress Report on Environmental Targets

FY2021 – FY2014 Targets and FY2014 Results

Category of environmental conservation activities	Performance indicators	Targets to be met by FY2021	Results for FY2014	Results
Measures to prevent global warming	Energy consumption from railway business activities	8% reduction (MJ: relative to FY2011 level) 52.7⇒48.5 (billion MJ)	1.9% reduction 51.7 (billion MJ)	
	CO ₂ emissions per unit of electricity generated at JR East's own power plants	30% improvement (kg-CO ₂ /kWh: relative to FY1991 level) 0.457⇒0.320(kg-CO ₂ /kWh)	33% improvement 0.304(kg-CO ₂ /kWh)*1	
Category of environmental conservation activities	Performance indicators	Targets to be met by FY2014	Results for FY2014	Results
Measures to prevent global warming	Electricity used for railway operations per unit of transport volume	6.8% reduction (kWh/car-km: relative to FY2007 level) 1.85⇒1.72(kWh/car-km)	5.4% reduction 1.75 (kWh/car-km)	
	Energy consumption per unit of floor area at branch offices, etc.	3% reduction (kL-crude oil equivalent/m ² : relative to FY2011 level) 0.0467⇒0.0453 (kL-crude oil equivalent/m ²)	13% reduction 0.0407(kL-crude oil equivalent/m ²)	Achievements
Measures for resource circulation	Recycling rate for waste generated at stations and on trains	90%	94%	Achievements
	Recycling rate for waste generated at General Rolling Stock Centers, etc.	95%	95%	Achievements
	Recycling rate for waste generated in construction projects	95%	96%	Achievements
	Rate of green procurement**2	100%	100%	Achievements
Environmental activities along railway lines	Measures to reduce noise to 75 dB or less along the Tohoku and Joetsu Shinkansen Lines*3 (for areas subject to noise limitation measures)	[Targets to be met by FY2016] 100%	Being implemented	
Environmental management	Setting of numeric targets by all group companies	Targets to be revised continually	Established	Achievements

■ Targets for the JR East Group

*1 The figure is calculated according to the Act on the Rational Use of Energy(Energy Saving Act).

*2 The figure indicates the ratio of the group companies which purchase goods specified in the Basic Policy under Article 6 of the Law Concerning the Promotion of Procurement of Eco-Friendly Goods and Services by the State and Other Entities are used.

*3 Measures to reduce noise to 75 dB or less have been completed in the designated areas in accordance with government guidance. Currently, improvement work is being carried out step by step in other areas, to be completed by the fiscal year ending March 2016.

Evaluation of FY2014 Goals

Electricity used for railway operations per unit of transport volume

For reducing energy used for train operation, we have developed and introduced energy-efficient trains and electricity storage devices. When the Tohoku Shinkansen was extended from Hachinohe to Shin-Aomori in 2010, however, this increased the proportion of electricity consumption accounted for by the Shinkansen – which requires more electricity used for railway operations per unit of transport volume (kWh/car-km) than conventional lines. As part of our targets for FY2017, we will establish objectives for conventional lines as well as for the Shinkansen, as we prepare to begin operation of the Hokuriku Shinkansen.