

What is to be Accomplished in FY 2003 in Relation to the 2005 Goals?

JR East has established environmental goals to be met by FY 2005. Each year we review performance on a qualitative and quantitative basis, looking for ways to achieve goals. As for tasks that remain, we develop strategies to make improvements in the following fiscal year.

Environmental Conservation Activity Category	Main Activities	FY 2005 Goals		FY 2002 Achievement	FY 2003 Achievement () actual figures	Evaluation	Reference pages
		Reference value (FY 1990)	Target value				
Environmental conservation along railway lines	Continue noise reduction measures along <i>Shinkansen</i> and conventional lines (constructing soundproof walls, installing continuous welded rails, etc.) Reduce environmental pollutants from the Kawasaki Thermoelectric Power Plant Conduct appropriate management and treatment of organic solvents, etc.	Reduction of noise to 75 dB or less in designated residential areas along the <i>Tohoku</i> and <i>Joetsu Shinkansen</i> Lines NOx emissions at Kawasaki Thermal Plant	— 994t	100% (goal to be met by FY 2002) 60%reduction (402 tons)	100% 60%reduction (399 tons) 66%reduction (341 tons)	 	37-39
Global environmental conservation	Introduce energy-saving railcars Increase energy conservation at stations and office buildings (introduce co-generation) Promote intermodal transportation (Park & Ride, Rail & Rent-a-Car, etc.)	Total CO2 emissions from general business activities CO2 emissions in proportion to unit electric power generation at Kawasaki thermal plant Ratio of energy-saving railcars Energy consumption for train operations in proportion to unit transportation volume Number of large freezer units using specific chlorofluorocarbons (CFCs)	2.76 million tons-CO2 726g-CO2/kWh — 20.6 MJ/car-km 82 units	20%reduction (2.2 million tons-CO2) 30%reduction (508 g-CO2/kWh) 80% 15%reduction (17.5 MJ/car-km) 85%reduction (12 units)	16%reduction (2.32 million tons-CO2) 29%reduction (519g-CO2/kWh) 68% 10%reduction (18.6 MJ/car-km) 77%reduction (19 units) 20%reduction (2.2 million tons-CO2) 31%reduction (504 g-CO2/kWh) 72% 11%reduction (18.3 MJ/car-km) 83%reduction (14 units)	 	30-33, 37
Resource conservation	Reduce and recycle waste generated at stations and on trains. (categorized collection of waste, maintenance of recycling centers, etc.) Recycle train tickets Recycle waste generated at rolling stock workshops and construction projects Recycle newspaper collected at stations, and introduce recycled office paper, etc.	Recycling rate of waste from stations/trains Recycling rate of waste at rolling stock workshops Recycling rate of waste from construction projects Rate of recycled paper used for office stock	— — — —	40% 75% 85% 100%	37% 74% 84% 98% 39% 81% 92% 99%	 	34-36
Environmental management	Environmental management led by the Committee on Ecology at JR East Head Office and branch offices. Acquire ISO14001 certification at the Koriyama General Rolling Stock Center Conduct forestation along railway lines Publish the Sustainability Report, conduct environmental publicity, etc.	Specific annual environmental protection activities	—	—	13 locations 10,000 trees planted 3,500 participants 15 locations 12,000 trees planted 2,400 participants	 	24-27, 40-41
Research and development of environment-related technologies	Develop <i>AC Train</i> – the next-generation commuter trains Develop the hybrid <i>NE Train</i> Develop noise reduction technology and other technologies						9, etc.
Social activities	Environmental conservation and other activities in cooperation with local governments and other organizations						40-41



Satoshi Seino, JR East Vice President, Committee on Ecology, Vice-Chairman

"In FY 2003 we made significant progress in 4 subjects towards our FY 2005 goals such as increasing the rate of recycling of waste generated at our rolling stock workshops and at construction sites. We also continued to improve recycling of waste from stations and trains, and increased the ratio of energy-saving railcars to non-energy efficient railcars. These achievements have led to a drastic revision of our environmental goals and therefore new targets will be introduced later this year. CO2 emitted by our business activities has been reduced to 2.2 million tons, a substantial reduction from the last fiscal year. This is the result of a variety of efforts and the considerable influence of external factors such as an increase in river water that increased the amount of power generated by the hydraulic power plants. Consequently, we must not be satisfied with these achievements and must continue to take measures proactively to lower CO2 emissions.

Progress toward FY 2005 goals

- excellent
- satisfactory
- behind schedule