

ENVIRONMENT PRESERVATION

> OVERVIEW

Railways are the most energy efficient means of mass transportation. Railways account for approximately 30% of passenger transportation in Japan but only 7% of energy consumption. In addition, emissions of carbon dioxide, which is blamed to be the cause for global warming, are low in proportion to the unit transportation volume. Through its railway operations, JR East plays an important role in preserving the environment.

> TOPIC

Environmental Targets

JR East established its Ecology Promotion Committee in 1992. In 1996, it set environmental targets that included a 20% reduction of carbon dioxide emissions compared with levels in fiscal 1991. This emphasis on environmental activity guidelines continued during the formulation of *New Frontier 21*, which includes environmental targets to be achieved by fiscal 2006.



Environmental Report
The full Environmental Report is available for download at <http://www.jreast.co.jp/eco/english/index.html>

Environmental Management

In February 1999, JR East's Niitsu Rolling Stock Plant became the first Japanese Railway facility to obtain certification of ISO 14001, an international standard for environmental management systems. JR East has emphasized its environmental management system through various measures, including publicly announcing its environmental accounting, starting from September 2000.

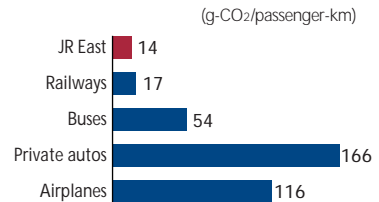
Specific environmental initiatives include the introduction of the E231 series rolling stock, which require only one-half of energy required by conventional rolling stock. Measures such as this have slashed CO₂ emissions resulting from JR East operations in fiscal 2002 by 17% compared with the level recorded in fiscal 1991.

JR East is an active recycler. Trash is sorted at stations or on trains for recycling. For example, old newspapers are recycled to make copy paper for use at JR East's offices. Efforts such as this have raised the general waste recycling rate for JR East's stations and trains to 36%.

Barrier-Free Access

JR East continues to promote the construction of comfortable railways that can easily be used by not only physically disabled people, but also passengers that are not accustomed to using railways, in line with the trends of an aging society and international society at large.

CO₂ Emission Volumes in Proportion to the Unit Transportation Volume of Each Means of Transportation in Japan

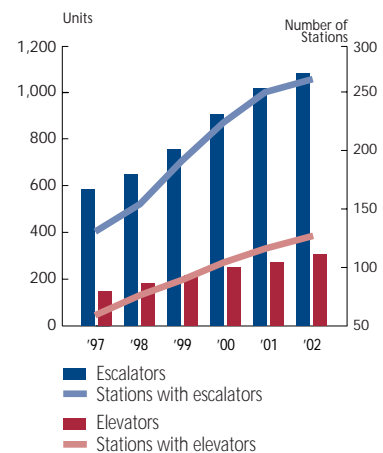


Note: Prepared by JR East based on the Survey on Transportation-Related Energy Consumption, 2000 edition (results of the year ended March 31, 1999)



Entry/exit steps for passengers in wheelchairs
The AC Train, a next-generation commuter train system, has specially designed steps to facilitate wheelchair accessibility.

Trend of the Number of Stations with Escalators and Elevators



SOCIAL CONTRIBUTION

> OVERVIEW

JR East contributes to the enrichment of regional culture through its involvement in a variety of cultural activities. The Group's cultural initiatives are mainly conducted through the East Japan Railway Culture Foundation. JR East also contributes to the international community by sharing of railway technology and corporate culture through Union Internationale des Chemins de fer (UIC).

> TOPIC

East Japan Railway Culture Foundation

JR East established the East Japan Railway Culture Foundation in March 1992. It has continuously supported the Group's social contribution activities such as promotion of regional culture, railway-related surveys and research and international cultural exchanges.

Union Internationale des Chemins de Fer (UIC)

JR East is a full member of the UIC, an organization dedicated to international cooperation among the world's railway companies. The JR East Group contributes to the international community through its railway technology, including participation in technological cooperation, and the acceptance of trainees.



Replica of the original Shimbashi station
(conceptual drawing)

JR East is building a replica of the original Shimbashi Station, from which Japan's first train departed in 1872. The building will be completed in the spring of 2003. It will be used as a public museum with displays detailing railway history and culture.



UIC crew seminar

JR East Chairman Masatake Matsuda is serving as Vice Chairman of the UIC and Chairman of the World Executive Council, which is the decision-making institution of UIC.