

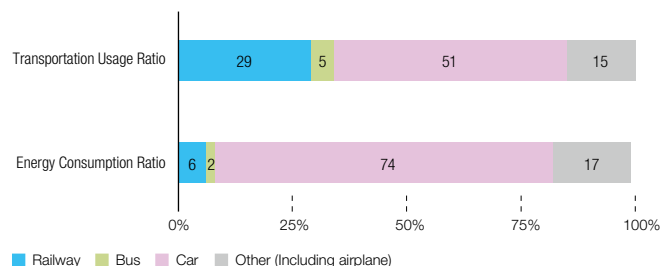
► Other

Environmental Initiatives

THE ENVIRONMENTALLY FRIENDLY NATURE OF RAILWAYS

TRANSPORTATION USAGE RATIO AND ENERGY CONSUMPTION
RATIO OF DOMESTIC MODES OF TRANSPORTATION

(FY2010, NATIONWIDE)

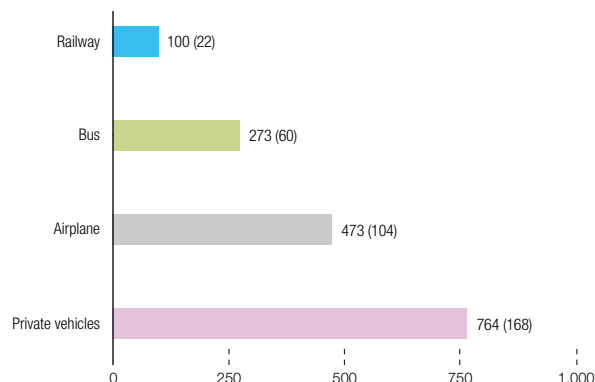


Source: Summary of Transportation Statistics, Transport Research and Statistics Office, Ministry of Land, Infrastructure, Transport and Tourism
The GHGs Emissions Data of Japan, Greenhouse Gas Inventory Office of Japan

CO₂ EMISSIONS BY MODE OF TRANSPORTATION (TOURISTS)

(FY2013)

Value for railway scaled to 100



Source: Ministry of Land, Infrastructure, Transport and Tourism homepage
Numbers in parentheses are actual CO₂ emissions volumes (g-CO₂ / passenger-kilometers)

ENVIRONMENT TARGETS

We will work to further reduce energy and resource consumption and to contribute to the realization of a society in which sustainable development is possible.

Item	Fiscal 2014 Actual	Fiscal 2018 Target
Energy consumption volume (entire company) (vs. fiscal 2011):	(3%)	(2%)* ^{2,3}
Same as above (for conventional line operation, station offices, etc.) (vs. fiscal 2011):	(5%)	(9%)* ²
Ratio of energy-saving rolling stock (vs. fiscal 2011)* ¹	78%	83%
Energy consumption rate	(3%)	(3%)* ^{2,3}
Station and train garbage (recyclable) recycling rate	98%	96% or greater* ²
Railway material recycling rate	96%	96% or greater
Facility construction	93%	91% or greater
Rolling stock		

*1 The energy consumption rate is the amount of energy consumed per rolling stock-kilometer (MJ/Rolling stock-km).

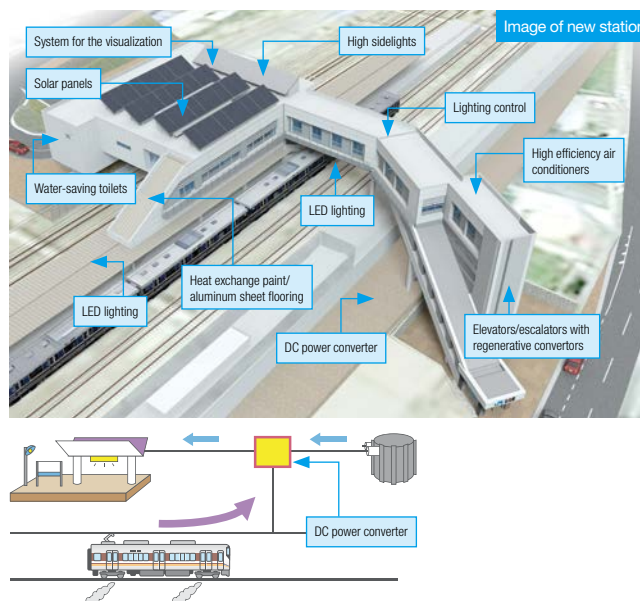
*2 Included in the Medium-Term Management Plan.

*3 The fiscal 2018 target considers the estimated increase in energy consumption related to the start of Hokuriku Shinkansen operations.

Note: figures in parentheses () are negative values.

ROLLING OUT ECO STATION (NEW MAYA STATION)

We will take steps to further reduce energy consumption, as exemplified by new Maya Station (provisional name), which is set to open in the spring of 2016 and will be equipped with a direct current electric power converter able to utilize regenerative electric power at the station.



ADOPTING ENERGY-SAVING RAILCARS

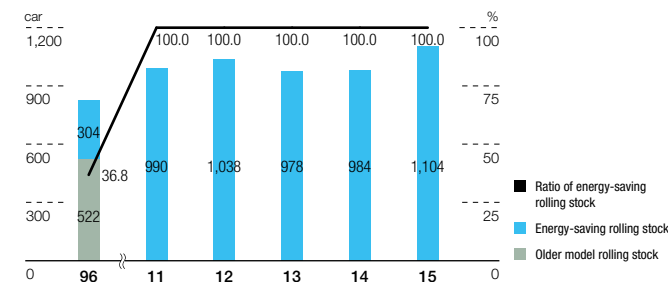
In order to reduce the energy used in operating trains, which comprises a large share of the energy consumed by our Company, we are proceeding to adopt railcars that excel in energy-saving features. As of the end of fiscal 2014, we had an adoption rate of 78% for energy-saving railcars. In addition, we are implementing "energy-saving train driving."



225 Series energy-saving railcars

RATIO OF ENERGY-SAVING ROLLING STOCK
(ROLLING STOCK CURRENTLY IN OPERATION)

Shinkansen



Conventional line

