

# Creating a system for recycling and reusing waste materials as resources

[See our website for the following information]

URL <http://www.jreast.co.jp/eco/>

- Operation of recycling centers
- Initiatives at offices
- Initiatives in the life-style business
- Efficient use of water resources
- Joint efforts with customers to reduce load on environment
- Reducing and recycling train tickets
- Green procurement
- Reuse of waste collected at our stations after its recycling

In order to reduce the amount of waste that is produced from railway and life-style business, JR East is reducing waste, reusing resources and recycling waste into resources.

## Reducing waste and recycling

### Recycling goals are set for each type of waste

JR East generates many kinds of waste through our railway operations, such as daily trash removed from trains and stations and industrial waste from our General Rolling Stock Centers. In addition, restaurants and retail stores in our life-style business produce garbage and general waste. In fiscal ended March 2008, the JR East Group generated 647 thousand tons of waste, 79% of which was reused or recycled.

The amount of waste from construction projects, which are the largest source of waste, varies from year to year with changes in the extent and type of construction. Accordingly, JR East does not set a target for the amount of waste, but sets a target recycle rate for each waste category, and strives to achieve it.

For general waste, the JR East Group had been aiming for a recycle rate of 43% by fiscal ending March 2009, and this rate had already reached 48% in fiscal ended March 2008.

### Recycling waste collected from stations and trains

In fiscal ended March 2008, waste collected from our stations and trains amounted to 44 thousand tons, which is equivalent to the amount of household waste generated by 110 thousand people per year in Japan. Since waste collected from our stations and trains includes recyclable materials such as newspapers, magazines and cans, we endeavor to properly sort it and recycle it. JR East has installed separate refuse bins for different types of waste at stations, and established our own recycling centers in the Tokyo metropolitan area to ensure thorough sorting of waste after it has been collected. We set the recycling target at 45% to be met by fiscal ending March 2009. In fact, we have already achieved the target, which was 64% in fiscal ended March 2008. Since fiscal ended March 2008, thermal recycling has been also taken into account.

### Recycling initiatives at General Rolling Stock Centers, etc.

JR East Group is recycling waste generated during the manufacture and maintenance of rolling stock. At Niitsu Rolling Stock Manufacturing Factory where commuter and suburban trains are manufactured, we promote waste reduction and recycling by taking into account the railcars' entire life cycle from designing to disposal.

Also, to reduce waste and improve recycling, regional General Rolling Stock Centers, where rolling stock is maintained and repaired, sort waste into 20 to 30 categories and send it to specialized waste disposal contractors. We are thus making efforts to improve the recycle ratio by thorough sorting. Starting in fiscal ended March 2006, we have included our retired railcars



At Nagano General Rolling Stock Center, retired wheels are recycled into brake disk parts.

that were sold to outside parties and later scrapped as part of the quantities recycled by the JR East Group when calculating our recycle rates.

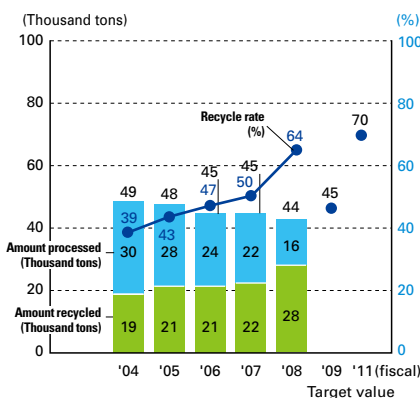
### Reducing construction waste

Although Japan's Waste Disposal and Public Cleansing Law treats subcontractors as the generators of waste from subcontracted work, we, as an organization that orders this work, strive to reduce the amount of waste that they generate by preparing civil engineering specifications that require subcontractors to properly dispose of construction byproducts, and use designs and construction methods to minimize waste. In fiscal ended March 2008, JR East generated 407 thousand tons of waste through construction and maintenance projects at our stations and other structures, including 85 thousand tons of waste through work entrusted to JR East. \*1

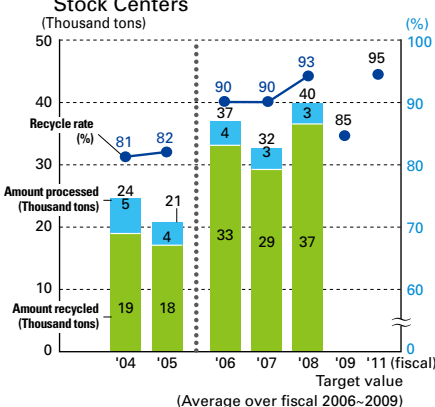
\*1. Work entrusted to JR East

Constructive work contracted to JR East by local governments etc., to be done at non-JR East facilities, for purposes such as to ensure safe train operations.

#### Waste from stations and trains



#### Waste from General Rolling Stock Centers



#### Waste from construction projects

