

Using Resources Effectively

Products and services offered by NTT Group companies, along with supporting communication equipment, require periodical upgrading in line with technological advances, life cycle management considerations, and other factors. At the NTT Group, we strive to use resources effectively and reduce waste output by reusing or recycling communications devices and equipment that have been taken out of service.

Reducing waste and promoting reuse and recycling within NTT

Principal stakeholders: Customers, Business partners

Reusing and recycling waste from communications equipment installation/removal

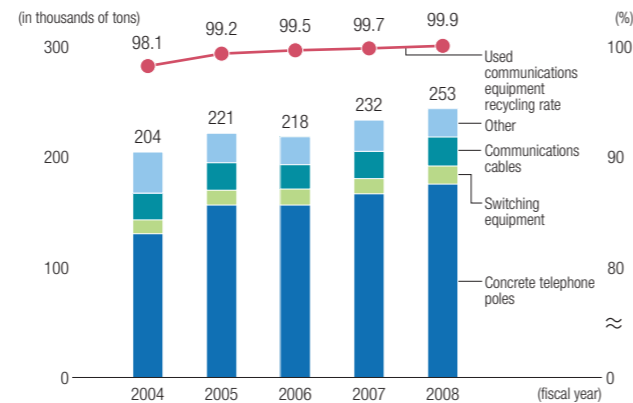


The NTT Group owns a variety of communications equipment used to provide telecommunications services, such as telephone poles, switching equipment, and communications cables. Naturally, such equipment needs to be removed and disposed off when it reaches the end of its service life or is replaced during system upgrades. We promote the use and recycling of such removed communications equipment within the Group, and recycle whenever possible, for example recycling discarded concrete blocks as road building material.

For fiscal 2008, across the entire NTT Group, we recycled 175,000 tons of concrete telephone poles, 23,000 tons of switching equipment, and 29,000 tons of communications cables. These activities resulted in

a recycling rate of 99.9% for all of our communications equipment, achieving zero emissions* for the fourth consecutive year.

Amount and percentage of used communications equipment recycled



Helping customers to reduce, reuse, and recycle

Principal stakeholders: Customers, Business partners

Recovering and recycling used telephones and batteries



NTT East and NTT West both collect compact rechargeable batteries (NiCd, Li-ion batteries) from used telephones and cordless phones, toner cartridges used in fax machines, and other materials to reuse as resources. In fiscal 2008, we recovered 4.51 million communications devices, 5.63 million batteries, and 2.33 million chargers and other peripherals from NTT customers.

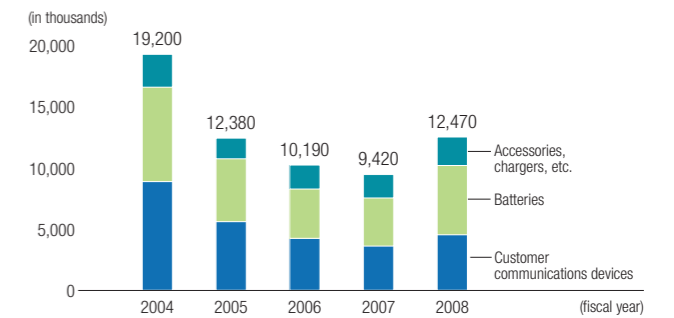
Reselling computers and other IT devices after erasing data



NTT East and NTT West offer an IT Equipment Recovery Service to collect and reuse computers no longer required

by businesses. After completely erasing data stored on internal computer hard disks, the computers are purchased as used computers and reused as commercial products, helping to prevent information leaks, reduce waste and cut disposal costs.

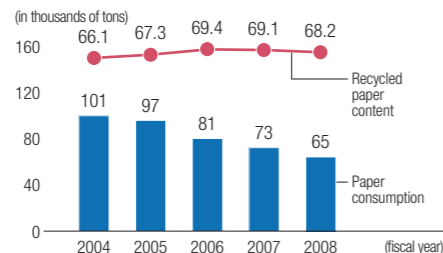
Number of used communications devices and batteries collected



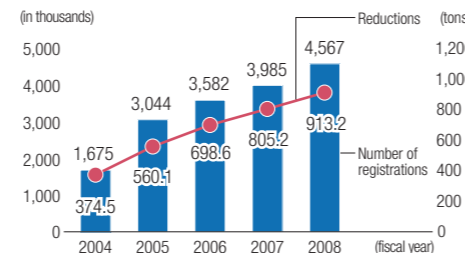
Reducing paper resources required for telephone directories and billing statements

The NTT Group recycles returned telephone directories as paper for new telephone directories. The recycled paper content of new telephone directories has reached 68.2%. Also, as of fiscal 2008, approximately 4.567 million customers subscribe to our Internet billing statement services which allow customers to check their billing statements online, or by e-mail, or mobile terminals, saving approximately 913.2 tons of paper resources annually.

Paper consumption and recycled-paper content of telephone directories



Paper resource reductions from NTT Internet billing statement services



13,600 NTT DOCOMO PHS base stations recovered

With the shutdown of NTT DOCOMO's PHS service in January 2008, NTT LOGISCO has recovered approximately 13,600 Kanto region PHS base stations (as of March 31, 2008).



*Zero emissions

A concept proposed by the United Nations University that calls for reusing all waste materials and by-products from industrial activity as resource inputs for other types of production in order to eliminate waste on a lifecycle basis. The NTT Group considers a recycling rate of 99% or more to satisfy zero emissions conditions.



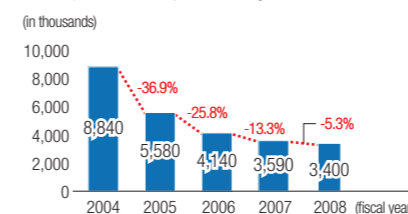
65.34 million used mobile phones collected

NTT DOCOMO collects used mobile phone handsets, batteries, chargers, and other equipment at docomo Shops nationwide. Efforts are also under way to expand collection channels and raise awareness of collection activities. In cooperation with NTT LOGISCO, the company has been placing used mobile phone collection boxes at electronics retail outlets and convenience stores in the Kanto area since 2006.

DOCOMO is striving for 100% recycling of mobile phones. The gold, silver, copper, palladium, and other valuable metal resources in collected mobile phones are all recycled. The plastic used in cases is also utilized for supplementary fuel and recycled plastic.

Customers were called on to recycle their phones in fiscal 2008 through events such as Eco-Products 2007. Local governments, police, and other agencies also cooperated in spreading the word about mobile phone recycling. These efforts resulted in the collection of 3.4 million mobile phone handsets, 4.96 million batteries, and 2.09 million chargers in fiscal 2008. Since fiscal 1999, a cumulative 65.34 million mobile phones have been collected.

Phone collection by the NTT DOCOMO Group over the past five years



Paper consumption cut by an average of 20% by using IC cards to restrict printer access

From March 2008, NTT DATA has been offering [u:ma]-G, a solution for enabling different types of smart cards to be read by a single reader. By building this [u:ma]-G reader into printers for user authentication, customers can easily restrict printer access using existing employee passes, reducing paper waste due to mistaken printing jobs, printing of excessive copies, and print jobs being left uncollected by an average of 20%.



Recovery and recycling of nearly 13,000 tons of confidential documents using SS-BOX

NTT LOGISCO has built a recycling system for the safe and easy collection and processing of unneeded confidential documents. Approximately 13,000 tons of such paper waste was collected for recycling in fiscal 2008 from the 8,100-plus SS-BOXes deployed in companies throughout Japan.

