



10

▶ Environment

Environmental Vision and Action Plan	120
Basic Policies and Philosophy	120
DOCOMO Group's Environmental Declaration and Green Action Plan 2030	121
Environmental Management	124
Environmental Management System	124
Expert Subcommittees of the Group	125
Targets and Action Plans for Fiscal 2016	126
Internal Environmental Audits	127
Risks and Opportunities Related to Climate Change	127
Results of Our Initiatives	129
NTT DOCOMO Group's Global Environmental Targets for Fiscal 2016 and Results	129
Looking Back on SMART for GREEN 2020	130
Creation of a Low-Carbon Future	131
Formation of a Sustainable Society	134
Preservation of Biodiversity	137
Compliance with Environmental Laws and Regulations	139
Green Procurement	139
Environmental Accounting	140



We have identified global environmental issues as a key management task. We believe our mission as a corporate citizen is to acknowledge environmental impacts associated with our business activities and make the utmost effort to reduce this burden on society by working together with our customers.

Environmental Vision and Action Plan

Basic Policies and Philosophy

We established the DOCOMO Global Environment Charter as a set of guidelines for promoting environmental protection efforts.

The charter clarifies our commitment to helping solve global environmental problems by providing ICT services.

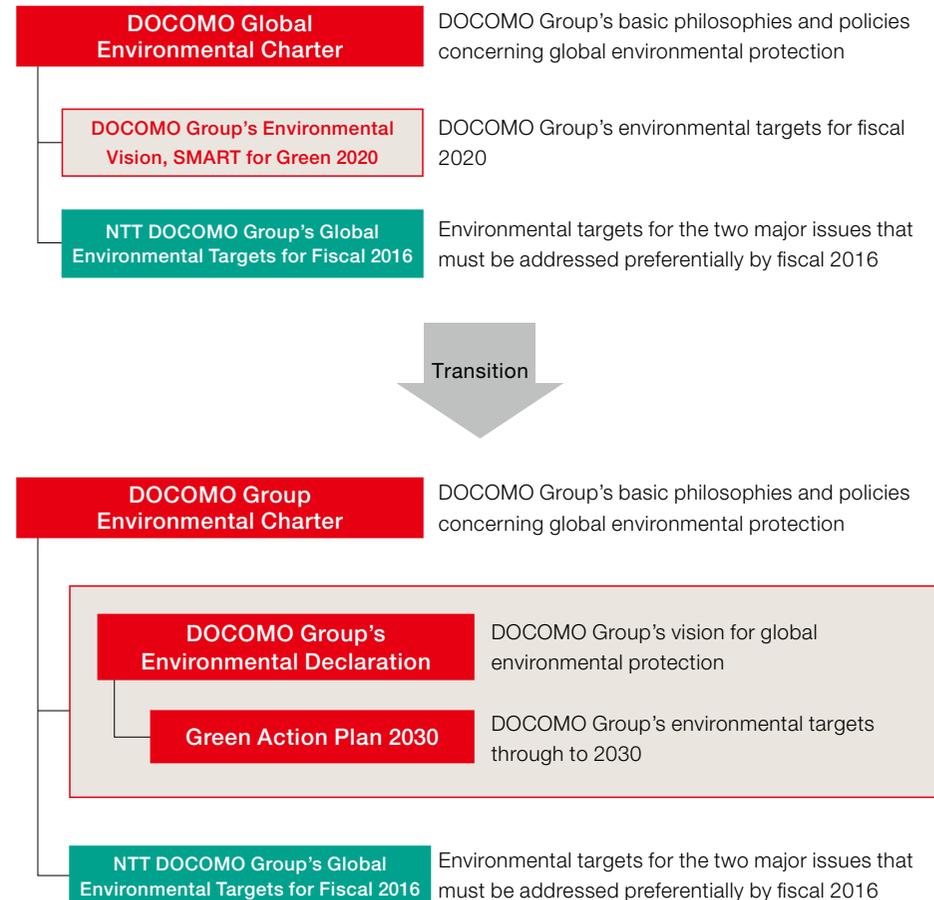
ICT can help to control the generation of CO₂ by reducing the consumption of materials and energy for the production of books and music as well as visual media; reducing work processes through increased operational efficiency; reducing the movement of people through network utilization; and reducing the movement and storage of goods through information digitization.

In addition, our video image distribution service “dTV” uses online distribution of content to reduce the materials and energy required to manufacture products and avoid energy consumption that accompanies the subsequent distribution of physical goods to shops.

In these ways, ICT brings innovation to various areas while contributing to reducing environmental impacts in our daily lives and on society.

Under the charter, we carry out our Group-wide environmental protection activities.

● Positioning of the Environmental Charter and Environmental Targets





**DOCOMO Global Environmental Charter
(Enacted on June 1, 2007; Revised on October 17, 2016)**

Basic Philosophy

The NTT DOCOMO Group views global environmental problems as important issues to be addressed by management. By developing and providing services centered on the mobile ICT, we will stimulate innovation in diverse aspects of lifestyle and business, and work with customers to support society's efforts to protect the environment. We will also work to reduce the environmental impacts of our business activities.

Basic Policy

- **Conduct Business with the Environment in Mind**
 - Actively promote businesses contributing to reducing environmental impact through the provision of ICT services.
 - In all business activities, curb emissions of greenhouse gases, conduct proper management of hazardous materials, and encourage resource conservation by promoting the “three Rs” (Reduce, Reuse, and Recycle).
- **Strengthen Environmental Management**
 - Comply with all environmental laws and regulations and through environmental management systems avoid risk and continuously improve performance.
- **Promote Environmental Communication**
 - Promote environmental activities in cooperation with business partners, throughout all processes: procurement, research and development, sales, and after-sales services.
 - Disclose accurate environmental information to help others understand the DOCOMO Group's environmental activities, and use feedback received to improve these activities.
 - Enhance environmental awareness through the environmental training of employees and communication among all corporate levels and departments.
- **Preserve Biodiversity**
 - Understand the relationship between biodiversity and our business activities and promote initiatives to preserve biodiversity for future generations.

DOCOMO Group's Environmental Declaration and Green Action Plan 2030

The Paris Agreement was adopted at the COP21 Climate Conference (COP21) in Paris in 2015. Under the agreement, each country will work on initiatives to achieve the targets set for combating climate change for the year 2030 and even further into the future. Among the initiatives, a high expectation is also set on the contribution of information and communications technologies.

Taking into account such global trends, DOCOMO has developed the new DOCOMO Group Environmental Declaration, which presents its vision for global environmental protection, and Green Action Plan 2030, which summarizes the Group's environmental targets through to 2030.

Until now, the Group has been focusing on achieving its environmental targets through to 2020, namely SMART for GREEN 2020, based on the DOCOMO Global Environment Charter. However, in the course of envisioning the forthcoming global environmental trends in Japan and other countries, the Group has decided to expand its targets set through to 2020 in order to reach further into the future.

Under the new DOCOMO Group Environmental Declaration, “DOCOMO will lead successful environmental management systems for people, society and the Earth,” and it will strive to achieve the five goals set in the Group's environmental targets through to 2030 under Green Action Plan 2030. These five goals include contributing to society by reducing CO₂ emissions by at least 40 million tons and bringing about at least a tenfold increase in power efficiency in the communications business compared to fiscal 2013.

DOCOMO will continue to improve customer services and achieve sustainable corporate growth by creating a society where all people, across borders, cultures and generations, can live safely and comfortably.



● DOCOMO Group Environmental Declaration

DOCOMO Group Environmental Declaration

DOCOMO will lead successful environmental management systems for the future of people, society and the Earth.

- » We will create new value for environmental protection by providing mobile ICT services.
- » We will ensure that our businesses are conducted with honesty in harmony with the global environment.

Themes of Our Initiatives and Actions



● Themes and Actions of the Initiatives Based on the Environmental Declaration

We will strive to achieve the environmental targets for 2030 with the following themes and actions set on the basis of the Environmental Declaration.

Themes	Actions
Realizing a Low Carbon Future	We are contributing to the reduction of CO ₂ emissions and facilitating adaptation to climate change.
Implementing Closed-Loop Recycling	We are working toward more effective resource allocation.
Planning a Future of Natural Harmony	We are contributing to the preservation of ecosystems.

● DOCOMO Group's Environmental Targets— Green Action Plan 2030

The DOCOMO Group's Environmental Targets, the Green Action Plan 2030, which embodied the actions for the three initiative themes, were classified into two categories from the perspectives of "innovative docomo" and "responsible docomo," which are the DOCOMO Group's CSR policy. One is Green Actions of Innovative docomo and the other is Green Actions of Responsible docomo. We will work to achieve the five targets set under these actions toward 2030.

● DOCOMO Group's Environmental Targets, Green Action Plan 2030

Green Action Plan 2030

Targets to be achieved by 2030 are set on the basis of our CSR Policy of “**Innovative docomo**” and “**Responsible docomo**”.



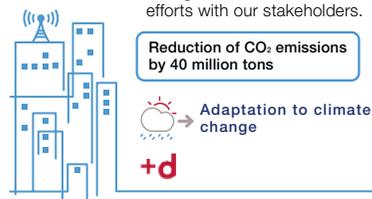
We will contribute to create a low-carbon society and minimize climate change risks by providing DOCOMO's services to customers.

Quantitative Target

» Amount of contribution to the reduction of CO₂ emissions across society: at least 40 million tons

Qualitative Target

» We will promote various initiatives to contribute to adaptation to climate change. We will also make collaborative efforts with our stakeholders.



Main Actions

- » Development and provision of the services and technologies contributing to the reduction of CO₂ emissions
- » Development and provision of the services and technologies contributing to the adaptation to climate change



We will fulfill our responsibility to reduce environmental impact. We will also actively participate in environmental contribution activities as a corporate citizen.

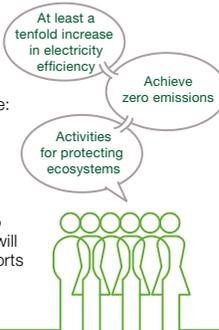
Quantitative Target

» Electrical efficiency of the communications services: at least a tenfold increase compared to fiscal 2013

» Final disposal ratio of waste: achieve zero emissions (under 1%)

Qualitative Target

» We will promote initiatives through various activities to preserve ecosystems. We will also make collaborative efforts with our stakeholders.



Main Actions

- » Energy conservation for communications network facilities
- » Promoting 3R activities
- » Promoting activities for preserving ecosystems such as tree planting, promoting employee training

● Green Actions of Innovative docomo

We will contribute to creating a low-carbon society and minimize climate change risks by providing DOCOMO's services to customers.

Themes	Actions
Realizing a Low Carbon Future	Amount of contribution to the reduction of CO ₂ emissions across society: at least 40 million tons
	We will promote various initiatives to contribute to the adaptation to climate change. Also, we will make collaborative efforts with our stakeholders.

● Green Actions of Responsible docomo

We will fulfill our responsibility to reduce environmental impact. We will also actively participate in environmental contribution activities as a corporate citizen.

Themes	Actions
Realizing a Low Carbon Future	Electrical efficiency of the telecommunications services: at least a tenfold increase compared to fiscal 2013
Implementing Closed-Loop Recycling	Final disposal ratio of waste: achieve zero emissions (under 1%)
Planning a Future of Natural Harmony	We will promote initiatives through various activities to preserve ecosystems. Also, we will make collaborative efforts with our stakeholders.

● Proceeding with the Green Action Plan 2030

We will announce the results of the Green Action Plan 2030 for each fiscal year and examine the necessity of taking measures such as improvements concerning the initiatives and target values of the plan based on the results every five years.

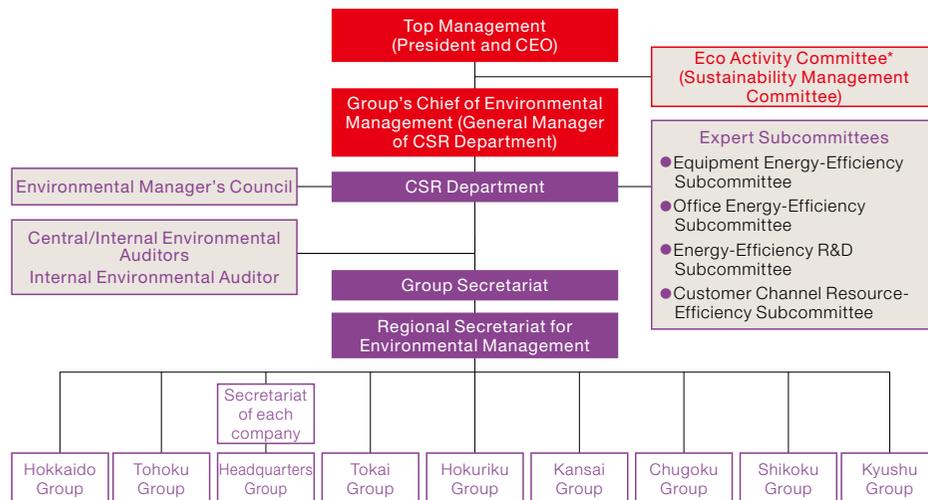
Environmental Management

Environmental Management System

Under the DOCOMO Global Environmental Charter, the DOCOMO Group established the Environmental Management Systems (EMS), which is led by the president and CEO of NTT DOCOMO to implement Group-wide environmental protection efforts.

The EMS is administered by a number of organizational units. The Eco Activity Committee is the highest decision-making body related to the EMS and is chaired by the president and CEO. Expert subcommittees of the Group set common environmental targets for the Group as a whole, and the Environmental Managers' Council is involved in administration of the EMS. Progress toward environmental goals is reviewed and a debate is conducted on solving environmental issues.

● Organizational Structure for Environmental Management



* Including conferences attended by the management team (including top management; as of March 31, 2016)

● EMS Organization

ECO Activity Committee (Sustainability Management Committee)

A committee responsible for reporting matters related to EMS and composed of Sustainability Management Committee members (with the president as chairperson, senior executive vice president, Audit & Supervisory Board members, members of the Board of Directors, and managers of relevant departments) and that includes the management team (as well as top management).

Group Secretariat

Management and practical tasks involving each organization's EMS

Expert Subcommittees

Planning, proposal and management of initiatives for achieving environmental targets

Central/Internal Environmental Auditor

Oversees internal environment auditing, senior manager of CSR Department

DOCOMO acquired ISO 14001 certification for Environmental Management System (EMS) to more efficiently execute Group-wide environmental protection activities, such as energy conservation for telecommunications facilities and the collection of used mobile phones.

In fiscal 2015, it was once again confirmed, based on the results of an external audit, that the EMS is being operated effectively, and ISO 14001 certification was maintained.

● Organizations that Acquired ISO 14001 Certification and the Scope of Certification

Certification body:

Lloyd's Register Quality Assurance Limited

Date of registration:

January 1, 2008

Scope of certification:

NTT DOCOMO Group's telecommunications business and related services

Organizations covered by the scope of certification:

17 Group companies (NTT DOCOMO, 12 functional subsidiaries*1, and another 4 subsidiaries*2)

*1 See 1 on page 003.

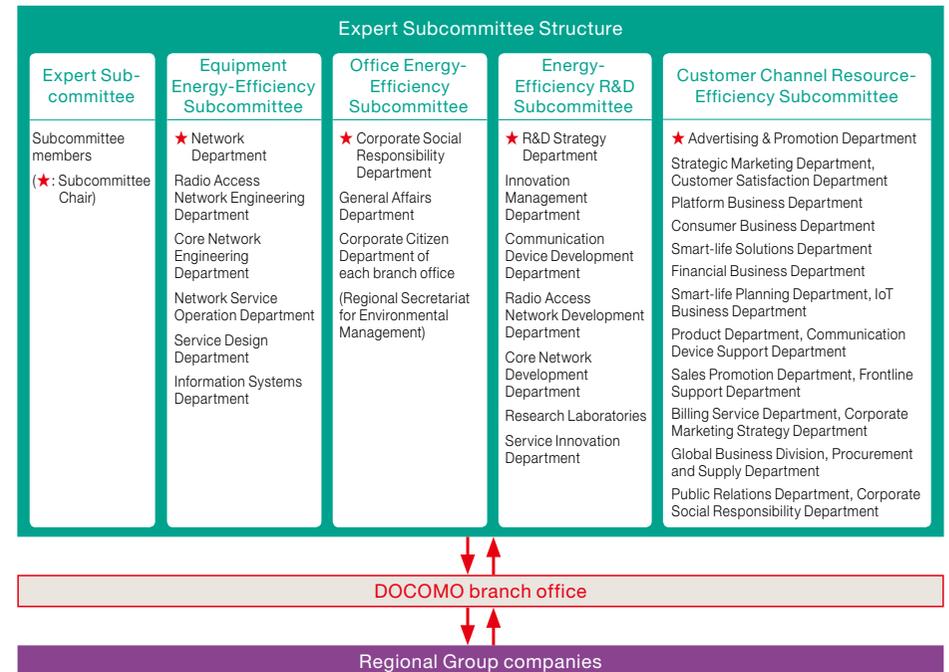
*2 docomo Healthcare, Inc., DOCOMO BIKE SHARE, Inc., DoCoMo TAMETAN, Inc., DYNASTEP Corporation

Certification and registration number:

YKA 4004084

Expert Subcommittees of the Group

The DOCOMO Group sets its environmental targets during annual reviews conducted by Expert Committees overseeing different areas: the Equipment Energy-Efficiency Subcommittee, the Office Energy-Efficiency Subcommittee, the Energy-Efficiency R&D Subcommittee, and the Customer Channel Resource-Efficiency Subcommittee. To accomplish the DOCOMO Group's environmental purposes and targets, the subcommittee chair appoints an action plan group leader from the subcommittee's members once a year. The appointed group leader drafts action plans in collaboration with group leaders from each region.



(As of March 31, 2016)



Internal Environmental Audits

The DOCOMO Group conducts internal environmental audits to ensure the effective implementation of the EMS. The audits focus on the following three aspects.

- (1) Compliance with auditing standards and effective implementation (system audit)
- (2) Alignment with the DOCOMO Global Environmental Charter and the DOCOMO Group's environmental purposes and targets, effective implementation and continuous improvement (performance audit)
- (3) Appropriate application of and compliance with environmental laws and regulations including ordinances (legal audit)

Well-trained internal environmental auditors conduct strict, impartial audits to ensure the EMS is functioning appropriately. Audit findings are used to revise the system and make improvements on an ongoing basis.

In fiscal 2015, we reviewed our auditing methods in response to business-related environmental impact and in pursuit of more highly effective audits. Specifically, audits focused on whether or not consumption of paper and electricity in offices, which are management items for all organizations, was being properly controlled, in addition to conditions with regard to training attendance, legal and regulatory compliance, and implementation of environmental activities unique to each organization. As a result, the audits found that every company was in compliance with the requirements of ISO 14001 and that activities were generally being conducted appropriately in conformance with environmental procedure manuals and other guidelines.

Risks and Opportunities Related to Climate Change

The Group secretariat for environmental management and the Expert Committees of the Group within the Environmental Management Structure have organized the DOCOMO Group's activities, products and services into seven domains and identified issues that need to be addressed by determining whether or not they adversely impact on the environment in these seven domains. The results are taken into consideration when establishing environmental targets, and identified issues are reviewed for approval by the Eco Activity Committee.

● **Seven Domains**



We identify business risks associated with the environment as environmental issues that are particularly important to the DOCOMO Group's business activities. Also, we examine the business opportunities presented by the environment while taking into account our commitment to take action through every conceivable means for resolving the most critical environmental issues facing society at large. We place high priority on these risks and opportunities and present those that are deemed to be significantly impacting our business to the Board of Directors.

Recognizing the risks and opportunities offered by climate change as vital environmental issues for society, we are working to strengthen the integration between our management strategies and environment management by conducting assessments and taking action in accordance with our management strategies.

● Risks Driven by Changes in Regulations

Description and Management of the Risks

Higher electricity prices caused by the feed-in tariff (FIT) system poses the risk of raising our operating costs.

The Act on Special Measures concerning the Procurement of Renewable Electric Energy by Operators of Electric Utilities, which came into force on July 1, 2012, stipulates that costs due to FIT will be recovered from users (through a surcharge on electricity charges). This risk has already materialized as some electricity companies have begun to raise their prices.

Since the DOCOMO Group uses more than 2,887,000 MWh of electricity each year to operate its telecommunications facilities in Japan, there is now a real risk that we will suffer a severe financial impact.

In addition, the Carbon Tax (Tax for Climate Change Mitigation), which took effect in stages beginning on October 1, 2012 and was then raised to the final tax rate on April 1, 2016, covers the use of all fossil fuels. This creates the risk of fuel suppliers, including electricity and heat suppliers, which are the major sources of DOCOMO's CO₂ emissions and decided to load the tax increase on their prices.

We have been pursuing measures for reducing electricity usage and CO₂ emissions to minimize the increase in costs. Specifically, we have reduced electricity usage by focusing on telecommunications facilities, which account for most of our electricity usage, and streamlining our operations by consolidating facilities and upgrading to equipment with higher levels of energy efficiency (or bringing upgrades forward) and enhancing air conditioning and power supply equipment by introducing air conditioner optimal control systems and direct current power feeding systems.

If the total tax burden resulting from the FIT system and the Carbon Tax is passed on in electricity charges, DOCOMO Group will incur an additional financial burden of 57.38 billion yen a year (this estimate is based on the actual electricity usage in fiscal 2015 of 2,807,000 MWh).

Moreover, we have invested approximately 110 million yen as global environmental conservation costs in fiscal 2015.

● Risks Driven by Change in Physical Climate Parameters or Other Climate Change-Related Developments

Description and Management of the Risks

Increases in electricity consumption by air conditioning equipment in response to rising temperatures may pose the risk of higher operating costs. Damage to telecommunications equipment due to disasters can also increase the recovery and maintenance costs.

If the average temperature continues to rise due to climate change, it is likely that our consumption of electricity for air conditioners at telecommunications facilities will increase. However, this increase can be controlled to a certain extent by using energy-saving and highly efficient air conditioners that will minimize impact on the cost.

As the frequency of heavy rains and rainstorms increases, they will cause landslides and other geological catastrophes in mountainous areas, damaging our telecommunications facilities such as base stations. The degree of damage will be largely dependent on the scale of the disaster as well as the installation conditions of the facilities. However, since most of our facilities are installed in areas that are not vulnerable to the impacts of disasters associated with climate change, we believe that the impact on the cost will be insignificant, similar to the impact of electricity consumption for air conditioners.

● Opportunities Arising from Climate Change

Damage from such natural disasters as heavy rains and more frequent typhoons is becoming more common as the climate changes, and there is a growing risk of water and lightning damage and power outages, which also cause extensive damage when they occur. As a consequence, many companies need to take measures to ensure that if emergency situations such as disasters occur in the future, the organizations are able to continue important operations and restore order quickly.

The DOCOMO Group has developed a solution business that leverages its reliable track record and expertise in business continuity planning over years of protecting and sustaining Japan's telecommunications, which cannot be allowed to be interrupted in the event of a disaster.

For example, we provide our Disaster Prevention Telemetry Service to local governments and businesses. This service supplements weather data observed from our base stations with an observation function of the data that are important when dealing with disasters such as river level and remote images and other monitoring and analysis functions for data administrators.

The service is also capable of forecasting heavy rains such as localized downpours and river floods that seem to be occurring more frequently in recent years with climate change as well as tsunamis, supporting the development of a new information infrastructure that can improve conventional disaster prevention functions.

In Japan, the scale of the business continuity planning and disaster prevention solutions market has been growing at an annual pace of 3.9% and is projected to reach 900 billion yen by fiscal 2020. Capturing 5% of this market share would increase our revenues by 45 billion yen.



Results of Our Initiatives

NTT DOCOMO Group's Global Environmental Targets for Fiscal 2016 and Results

In June 2014, DOCOMO established the new "NTT DOCOMO Group's Global Environmental Targets for Fiscal 2016" as a result of identifying the reduction of energy consumption in communications facilities and reduction in the weight of promotional tools prepared as two priority issues that DOCOMO feels it is particularly responsible for in its business activities.

NTT DOCOMO Group's Global Environmental Targets for Fiscal 2016

Seeking to provide wider, faster and more reliable connectivity, we will deliver an LTE network using our proprietary technologies with less energy consumption, which will help us to create telecommunications network services that are in harmony with the environment. Moreover, we will increase conveniences for our customers and reduce energy consumption by further advancing our mobile communications through the use of digitalized promotional tools.

1. Creating a Telecommunications Network in Harmony with the Environment

Target for Fiscal 2016 **A 25% reduction in energy consumption for data communications*1**

With the efficient introduction of an LTE system, we will reduce the amount of energy consumed in the network for delivering data (energy consumed per volume of data communications) by 25% by fiscal 2016 (compared to fiscal 2012).

*1 Volume of data communications: Volume of data used for sending and receiving email; browsing the Web; downloading music, videos and games; etc.

2. Creating "Zero" Waste in the Consumption of Paper by Using Digitalized Promotional Tools*2

Target for Fiscal 2016 **At least a 40% reduction in promotional materials**

By converting our promotional tools into digital formats such as a Web version of the DOCOMO Catalogue, we will strive to increase customer convenience as well as generate "zero" waste in the consumption of paper. We will reduce the weight of promotional materials prepared in paper format by 40% by fiscal 2016 (compared to fiscal 2012).

*2 Promotional materials: Paper-based catalogues, paper bags, and manuals

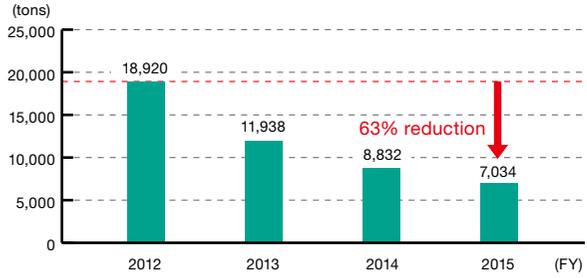


1. Reduction of Energy Consumption in Communications Facilities

We reduced the amount of energy consumed for data communications by 58%, compared to the level observed in fiscal 2012. We will continue to reduce energy consumption for data communications by adopting more efficient communications facilities.

2. Creating "Zero" Waste in the Consumption of Paper for Promotional Tools

We reduced the weight of promotional tools by 63%, compared to the level observed in fiscal 2012, through initiatives such as the digitalization of DOCOMO's general catalogue and reducing wastes associated with the promotional tools we give to our customers.





Looking Back on SMART for GREEN 2020

In THE GREEN VISION 2020, we upheld five numerical targets for 2020. Celebrating the five-year milestone since setting these goals in fiscal 2011, we have reviewed the current status of THE GREEN VISION 2020.

Theme	SMART for GREEN 2020, Established in January 2011	Results for Fiscal 2015	Status of Attainment in Fiscal 2015
Realizing a Low Carbon Future	Reduce the CO ₂ emissions of society as a whole by at least 10 million tons through the use of ICT services	Reduced by 30.18 million tons*1	◎
	Reduce NTT Group CO ₂ emissions by at least 120,000 tons compared to fiscal 2008 (reduce to 1.08 million tons or less)	Increased by 396,000 tons compared to fiscal 2008 (1.596 million tons)	×
Implementing Closed-Loop Recycling	Reduce the final disposal rate for the total amount of waste by 2% or less	Final disposal rate of 1.59%	○
	Achieve zero emissions*2 for decommissioned telecommunications equipment	Final disposal rate of 1.16%	×
	Reduce paper consumption in offices by 25% or more compared to fiscal 2008	Reduced by 82% compared to fiscal 2008	◎

*1 Estimated value based on the calculation method for the amount of contribution to reduce CO₂ emissions across society used for the Green Action Plan 2030.

*2 Zero emissions: 1% or less of the final disposal rate.

● Looking Back on SMART for GREEN 2020: Realizing a Low-Carbon Future

Under our initiative in our government's project called "Green by ICT" which aims to reduce the CO₂ emissions of society as a whole by developing and providing products and services utilizing the latest information and communication technologies, we have set a target of reducing 10 million tons CO₂ emissions by way of providing DOCOMO's ICT services. With increasing public recognition of global environmental conservation as a common concern, customers of our services, including smartphones, are more interested in using environmentally sound products and services. With the dissemination of smartphones and the realization of high-speed, high-volume networks, new services such as video distribution have become available, offering more opportunities for customers to use these services. The impact of reducing CO₂ emissions across society has also been growing every year with the expansion of ICT services usage. As a result, CO₂ emissions were reduced by 30.18 million tons in fiscal 2015, which is an estimated value based on the calculation method for the amount of contribution to reduce CO₂ emissions across society used for the Green Action Plan 2030, and we exceeded our target by a wide margin.

In our Green of ICT, our voluntary initiative for reducing CO₂ emissions in our business activities, we have set a target of reducing CO₂ emissions by 120,000 tons compared to fiscal 2008. The electric power consumption of communications equipment accounts for a large portion of the DOCOMO Group's business activities, and we are therefore pursuing energy-saving solutions for our communications equipment and promoting the utilization of natural energy.

Meanwhile, the amount of CO₂ emissions from the generation of purchased electricity has significantly increased compared to the level indicated in the plan of fiscal 2011, increasing the electricity emission factor (CO₂ emissions per 1 kWh of electricity generation) as of fiscal 2015 about 20% greater than the benchmark fiscal year of fiscal 2008. As a result, CO₂ emissions from electricity consumed by the DOCOMO Group increased by 396,000 tons in fiscal 2015 compared to fiscal 2008, even after we had undertaken various energy conservation efforts to reduce CO₂ emissions.

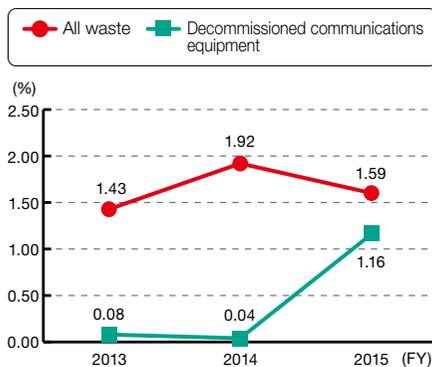
● **Looking Back on SMART for GREEN 2020: Implementing Closed-Loop Recycling**

In terms of reducing waste, we set targets of reducing the final disposal rate of the total waste volume to no more than 2% and achieving zero emissions* for decommissioned telecommunications equipment. By ascertaining the necessary resources and promoting the principle of reusing and recycling resources, the final disposal rate for total waste volume in fiscal 2015 was 1.59%, achieving the target ahead of schedule. Moreover, the final disposal rate of the decommissioned telecommunications equipment was 1.16%. To achieve the target, we will strengthen our efforts to further constrain the volume of waste generated and more effectively reuse waste.

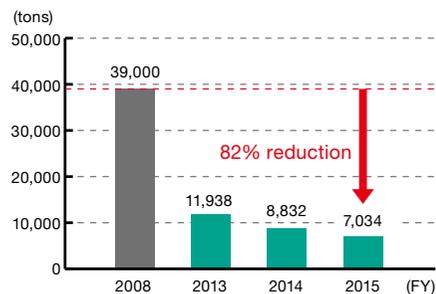
In terms of reducing paper consumption, we set a target of reducing the total weight of paper used for office tools by at least 25% compared to fiscal 2008. By establishing a uniform set of rules and promoting the aggregation and digitalization of office equipment, we were able to reduce our paper consumption in fiscal 2015 by 82%, dramatically exceeding the target.

* Zero emissions: defined by DOCOMO Group as a final disposal rate of 1% or less.

● **Final Disposal Rate of Waste**



● **Reduction of Paper Used in Office Tools**



● **Looking Back on SMART for GREEN 2020: Conserving Biodiversity**

The entire DOCOMO Group strives to conserve biodiversity through efforts such as disseminating information on conserving biodiversity and participating in forest maintenance activities in all docomo Woods throughout Japan.

Creation of a Low-Carbon Future

● **Basic Philosophy**

Reducing CO₂ and other greenhouse gas emissions, which are known causes of global warming, is an important issue for society. Advances in ICT have been accompanied by a rise in electricity consumption, which has also led to increasing calls for energy conservation. Conversely, ICT also possesses the potential to help realize lower society-wide energy consumption and CO₂ emissions.

The DOCOMO Group will contribute to reducing the CO₂ emissions of society as a whole and adapting to climate change toward the creation of a future low-carbon society by way of providing ICT services and advanced technologies.

● **Initiatives for the Creation of a Low-Carbon Society**

Next-generation Base Stations that Use Renewable Energy

Nearly three quarters of the electricity that DOCOMO consumes is used at base stations nationwide. To reduce CO₂ emissions generated by electricity consumption at base stations, we are upgrading to next-generation green base stations by installing solar panels and high-capacity rechargeable batteries at our existing base stations. Electricity generated by solar panels is used to supply the equipment, and lithium-ion batteries store surplus generated electricity in preparation for a possible power disruption. By March 2014, we installed 10 base stations, conducted field tests for verification and determined the potential for commercialization. Subsequently, we installed 44 commercial base stations from Hokkaido to Kyushu by the end of March 2016 and began operations at all 54 stations in April 2016.

Successful Testing of Weather Forecast-Linked Lithium-Ion Battery Control Technology

For the first time as a communications network operator in Japan, DOCOMO has successfully conducted a verification test of weather forecast-linked lithium-ion battery control technology, which automatically controls the electricity used at our green base stations based on weather forecasts.

Until now, lithium-ion batteries at green base stations have been used to maintain communications as backup capacity during power outages and charging/discharging (with suitable charge/discharge cycling capacity) by solar power generation during normal times. This required establishing the backup capacity ratio at 80% to ensure about 24 hours of coverage during a power outage. However, our new technology no longer requires pre-setting either backup capacity or the charge/discharge cycling capacity ratios since it automatically changes the ratio of backup capacity of lithium-ion batteries based on the weather forecast.

With this technology, we successfully reduced commercial electricity used during normal operation by 10% compared to the level observed at conventional green base stations. Also confirmed was that the technology will allow approximately 63 hours of operation during power failure caused by a disaster or other emergency, which is twice as much as in the past.

● Successfully Controlling the Electricity Used at Green Base Stations Based on Weather Forecasts (in Japanese only)



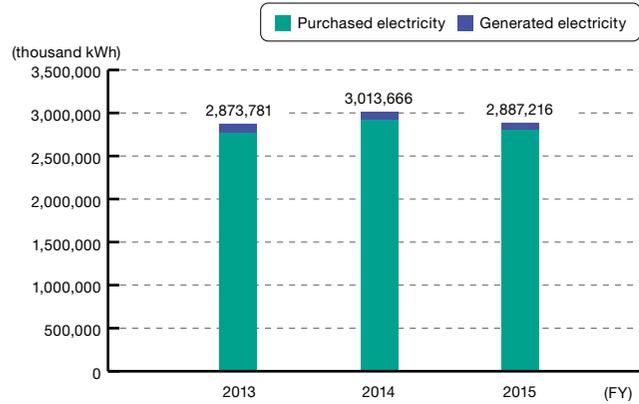
https://www.nttdocomo.co.jp/info/news_release/2016/03/28_00.html

● Identifying Environmental Impacts

● CO₂ Emissions by Scope

Scope	Category (Scope 3)	Method of Calculation	Emissions (ton-CO ₂)	Ratio (%)
Scope 1: Direct emissions			68,211	1.8
Scope 2: Indirect emissions			1,527,693	40.5
Scope 3: Other indirect emissions			2,174,627	57.7
	1. Purchased goods and services	Calculated by multiplying the number of units of mobile phones purchased (major purchased items) by the upstream emissions intensity	116,471	3.1
	2. Capital goods	Calculated by multiplying the amount of tangible fixed assets by the emissions intensity for information and communications equipment	1,618,944	42.9
	3. Fuel-and energy-related activities not included in Scope 1 and 2	Calculated by multiplying the volume of fuel used and volume of electricity purchase by their respective emissions intensity	112,915	3.0
	4. Upstream transportation and distribution	Calculated by multiplying the number of mobile phones sold by the emissions intensity of transportation per unit	9,902	0.3
	5. Waste generated in operations	Calculated by multiplying the weight of waste by the emissions intensity for each type of waste and disposal method	1,661	0.0
	6. Business travel	Calculated by dividing the amount of travel expenses in proportion to the ratio of transportation method used, and multiplying the figures by the respective emissions intensity	3,350	0.1
	7. Employee commuting	Calculated by dividing the amount of commuting expenses in proportion to the ratio of transportation method used, and multiplying the figures by the respective emissions intensity	2,606	0.1
	8. Upstream leased assets 1	(Calculation not applicable)		
	9. Downstream transportation and distribution	(Calculated by inclusion in upstream transport under Category 4)		
	10. Processing of sold products	(Calculation not applicable)		
	11. Use of sold products	Calculated by multiplying the number of mobile phone subscriptions by the emissions intensity per line	241,278	6.4
	12. End-of-life treatment of sold products	Calculated by multiplying the number of mobile phones sold by the emissions intensity per unit for each type of disposal method	886	0.0
	13. Downstream leased assets	(Calculation not applicable)		
	14. Franchises	Calculated by multiplying the total floor area of docomo Shops by the emissions intensity per floor area	66,614	1.8
	15. Investments	(Calculation not applicable)		
Total Greenhouse Gas Reduction			3,770,531	100

● Electricity Consumption

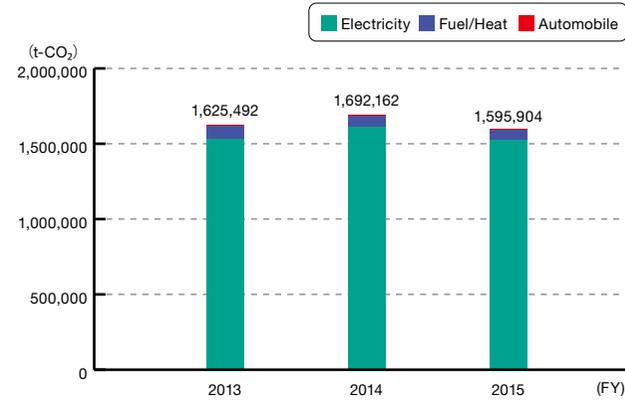


(thousand kWh)

	FY2013	FY2014	FY2015
Purchased	2,763,587	2,916,776	2,806,921
communications facilities	2,622,398	2,784,260	2,674,757
Generated	110,194	96,890	80,925
Total	2,873,781	3,013,666	2,887,216

Causes for the reduction in electricity consumption compared to the previous year include the impact of reviewing the unit price when estimating electricity consumption from the electricity charge.

● CO₂ Emissions by Energy Source



(t-CO₂)

	FY2013	FY2014	FY2015
Electricity	1,531,711	1,608,771	1,522,292
communications facilities	1,461,622	1,542,812	1,456,315
Heat	5,949	5,690	5,402
Fuel	81,549	73,065	63,628
Vehicles	6,284	4,635	4,583
Total	1,625,492	1,692,162	1,595,904

Electricity figures are calculated with conversion coefficients provided by the power companies. Totals may not be exact due to rounding.

--	--	--	--	--	--	--	--	--	--	--	--

● Fuel/Heat Use

	Unit	FY2013	FY2014	FY2015
Gas	Thousand m ³	35,252	31,518	27,265
Heavy Oil	kl	58	68	63
Diesel Oil	kl	139	168	275
Gasoline (automobile)	kl	2,501	1,726	1,665
Heat	GJ	104,364	99,819	94,768

● Other Greenhouse Gas Emissions

	FY2013	FY2014	FY2015
Other Greenhouse Gas Emissions	2,889	2,601	2,530

Formation of a Sustainable Society

● Basic Philosophy

While our high turnover “consume and dispose society” based on mass production, consumption and disposal has brought us a rich and convenient lifestyle, it has also raised serious issues, such as the creation of massive volumes of waste, illegal dumping and the depletion of natural resources.

Addressing these issues requires a review of corporate management as well as social and economic systems in order to shift to a sustainable society capable of managing resources.

The DOCOMO Group will contribute to the responsible use of resources by promoting 3R initiatives for communications equipment and utilizing ICT to create a recycling society.

● Reducing Waste and Promoting Recycling

Proactive Waste Reduction and Recycling

DOCOMO uses a substantial amount of resources in developing and selling mobile phones, constructing and operating network facilities, managing shops and conducting administrative work at offices. We are currently striving to reduce waste by accurately tracking resources and using them efficiently. When waste is generated despite these efforts, we do our best to reuse or recycle it, with the goal of drawing near to a final disposal volume of zero. For example, optical fiber, scrap metal, concrete poles and other waste produced when old facilities are dismantled is reused or recycled to the extent possible.

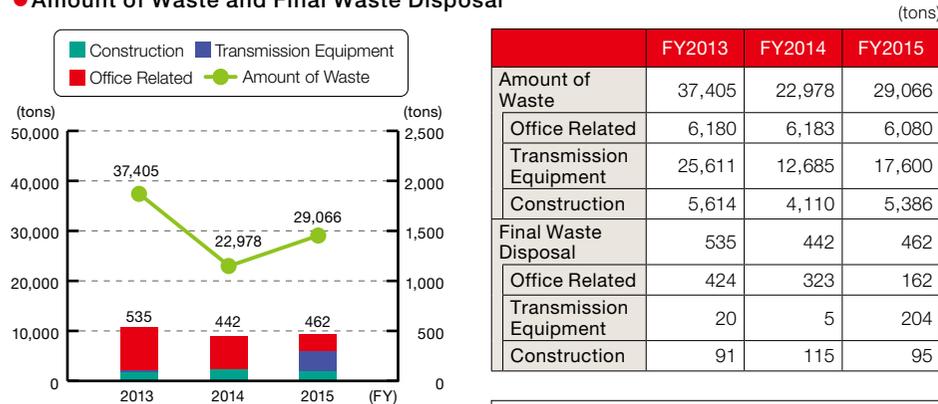
Additionally, our Green Design Guidelines for Buildings are put into practice when constructing or upgrading telecommunications facilities and buildings. We actively use recycled materials and materials capable of being recycled or reused.

With regard to providers of recycling services, we make every effort to ensure that they appropriately handle all waste, prevent illegal dumping of waste materials, and carefully manage manifest slips.

In fiscal 2015, waste from communications facilities, such as optical cable, switching equipment, and power facilities, totaled 17,600 tons, 204 tons of the final disposal volume. Going forward, we plan to actively limit the amount of waste generated while also effectively utilizing the waste that is produced.

Amount of Waste Reduced and Recycled

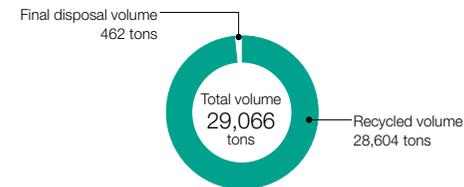
● Amount of Waste and Final Waste Disposal



	FY2013	FY2014	FY2015
Amount of Waste	37,405	22,978	29,066
Office Related	6,180	6,183	6,080
Transmission Equipment	25,611	12,685	17,600
Construction	5,614	4,110	5,386
Final Waste Disposal	535	442	462
Office Related	424	323	162
Transmission Equipment	20	5	204
Construction	91	115	95

- Recycled Containers and Packaging (results of fiscal 2015 submitted)
- Plastic containers: 320 tons
 - Paper bags: 2,064 tons

● Total Recycled Volume of the DOCOMO Group



- Main Types of Waste
- Fiber-optic cables
 - Conversion devices
 - Power generators
 - Scrap metal
 - Concrete poles, etc.

Mobile Phone Recycling for Effective Utilization of Valuable Resources

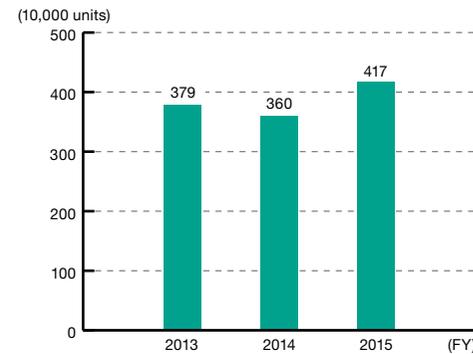
Mobile phones contain gold, silver, copper, palladium and other materials, all of which are valuable recyclable materials, particularly in light of Japan's relative lack of mineral resources. Therefore, DOCOMO has addressed collecting and recycling used mobile phones since 1998.

In 2001, we partnered with the Telecommunications Carriers Association, a trade organization of telecommunications carriers, and built the Mobile Recycle Network, which collects and recycles mobile phones mainly at docomo Shops regardless of the original provider. In fiscal 2015, we collected roughly 4.17 million phones* and have now collected a cumulative total of about 95.60 million phones.

DOCOMO is the only company in Japan's telecommunications industry that obtained the general and industrial waste permit issued by the Ministry of the Environment, striving to build a safe and reliable waste collection process. Moreover, as a means of safeguarding personal information, we will in the customer's presence destroy any unwanted mobile phone that is brought to our shops for recycling.

* Figures for fiscal 2015 include units collected for reuse.

● Used Mobile Phone Collection (by Fiscal Year and Figures)



- FY2015 Statistics
- Mobile phones: 4.17 million
 - Batteries: 5.30 million
 - Chargers: 1.41 million
- Principal Resources Recycled through Used Mobile Phone Collection (FY2015)
- Copper: 34,068 kg
 - Gold: 97 kg
 - Silver: 326 kg
 - Palladium: 3 kg

* Figures for fiscal 2014 and later include units collected for reuse.

● **Reducing Paper Resources**

Reducing Paper Consumption with Electronics Bills and Statements

In our e-billing service, customers paying their monthly mobile phone usage charges via bank transfer or credit card can view their monthly bill on i-mode, sp-mode or a personal computer, instead of receiving monthly bank transfer and account statements through a postal service.

We advanced our efforts to reduce paper use by switching from conventional paper-based billing to e-billing as the standard mode of providing information on monthly usage charges to customers starting in February 2015, covering mobile phone use for January. By the end of fiscal 2015, subscriptions to the service were approximately 25.00 million. In terms of A4-size paper, our e-billing service has saved around 280 million sheets of paper in a year.

Web Statement Service (dCARD Credit Service)

DOCOMO provides the Web Statement Service to let customers view their dCARD credit service usage statements via the Internet. Starting with billing statements for February 2015, we strived to further reduce paper use to protect the natural environment by designating Web-based statements as the default option. As a result, the number of dCARD credit service members who use the paper-based statements decreased to about 140,000.

Currently, 98% of about 8.4 million dCARD credit service members use Web-based statements, which has led to a significant reduction in paper use.

Promoting Digital and Slimmer User Manuals and Reduction of Paper Use

Beginning in fiscal 2011, user manuals for all newly introduced Android smartphones and tablet devices as well as DOCOMO mobile phones (sp-mode) have been provided in digital form accessible as an application (e-manuals) on these products. DOCOMO's i-mode mobile phones also continue to carry a user manual app since 2009. Through these initiatives, we were able to slim down our user manuals and thereby reduce the CO₂ emissions associated with paper use and transport of the 2015 winter model products by at least 50% compared to before. We will continue to promote the use of digital media for user manuals and optimize the content of the paper-based manuals to reduce paper consumption further.

Closed-Loop Recycling to Reduce Waste

DOCOMO is advancing the use of its own wastepaper recycled in a closed loop. We use this recycled paper for the CSR Communication Book. Efforts are also being made to appropriately adjust the numbers of catalogues and pamphlets that are needed in order to reduce the number of printed and the number that go to disposal. In fiscal 2015, the number of general catalogues stored and then thrown away without being used was reduced, with the disposal ratio lowered to 4.9%, even lower than the 5% target.

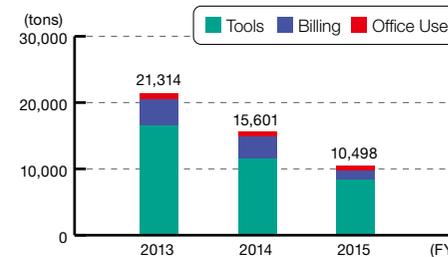
Environmental Approaches Taken at Offices and Shops

DOCOMO is working to reduce paper usage and boost waste recycling rates at its offices and shops. In fiscal 2015, we visually communicated monthly paper usage per person in each division and branch to promote greater employee awareness of the need to reduce paper usage. As a result, the amount of office paper used declined by 6.1%, or an equivalent of 174,638,000 sheets of A4-size paper, compared to the previous fiscal year.

Additional measures such as the promotion of paper-less meetings by using the internal web conferencing system, personal computers, tablets and other devices will be pursued to further reduce paper usage.

Moreover, to reduce paper consumption in individual shops, DOCOMO is making every effort to accurately determine the number of promotional tools to prepare and distribute to each shop by utilizing an analysis system specifically designed for this purpose.

● **Paper Usage**



	FY2013	FY2014	FY2015
Office Use	791	742	699
Billing	3,921	3,378	1,439
Sales Tools	16,602	11,481	8,360
Total	21,314	15,601	10,498



● **Reducing Water Consumption**

In fiscal 2016, we have launched initiatives to reduce water consumption at our offices. We will strive to increase employee awareness of water conservation by establishing new water conservation measures and visualizing their efforts.

Reducing Water Consumption in Eco-Friendly Facilities

DOCOMO has been reducing the environmental impacts associated with water consumption in its facilities in line with the NTT Group Green Design Guideline for Buildings. The guideline provides basic building design considerations aimed at protecting the global environment in terms of construction and operation with the goal of reducing impacts to the greatest extent possible over a building's life cycle. Various efforts are underway at the NTT DOCOMO Yoyogi Building, which was constructed under the guideline, to reduce environmental impacts, such as controlling water consumption and recycling rain water. Beginning with its own facilities, DOOMO is striving to reduce water consumption to ensure the overall well-being of the environment.

Rainwater Harvesting

By reducing the volume of water instantaneously discharged at times of heavy rain, we strive to relieve the environmental impact on local areas subject to seasonal downpours and also reduce the impact on sewerage systems.

Recycled Water Facility

We collect wastewater from toilets and kitchens in an underground water tank, filter it for recycling, and reuse it for flushing toilets. In addition, we recycle some of the harvested rainwater, mentioned above, through our recycled water facility to further reduce environmental impact.

Water Conservation Appliances

We use water conservation appliances for plumbing fixtures and toilet-noise maskers (Otohime) in women's toilets to reduce the frequency of flushing.

● **Water Consumption** (Thousand m³)

	FY2013	FY2014	FY2015
Total Consumption	607	592	671
Tap Water	497	473	578
Recycled Wastewater	110	119	93

Totals may not be exact due to rounding.

Preservation of Biodiversity

● **Basic Philosophy**

As the basic policy toward preservation of biodiversity, DOCOMO will promote initiatives to preserve biodiversity for future generations by understanding how our business activities are related to biodiversity. Specifically, we will focus on the following two approaches.

(1) Through Business Activities

All activities on the earth are interconnected and are deeply related to biodiversity, so we will monitor the scope of our impact on biodiversity inside and outside Japan and continue to conduct preservation initiatives that are recognized as effective.

(2) Through social investments

We will promote initiatives aimed at biodiversity preservation with stakeholders and disclose accomplishments regardless of their relationship to our business.

In Japan, there are 32 national parks, 57 quasi-national parks, 311 prefectural national parks and their neighboring areas, including adjacent portions of 37 designated sites of the Ramsar Conservation on Wetlands. When installing or removing base stations in areas other than nature reserves and other protected areas in Japan, we carefully observe environmental laws and regulations to ensure our actions do not significantly impact biodiversity.



● **Forest Maintenance Activities in All docomo Woods**

DOCOMO has been involved in the docomo Woods program involving planting and improving forests throughout Japan. It has been established on the basis of the Forestry Agency's corporate forest program*¹, the National Land Afforestation Promotion Organization's Green Fund*², as well as corporate forestry support programs*³. In fiscal 2015, these activities were held 47 times and approximately 2,200 people participated in them.

Forest Maintenance Activities in docomo Woods	FY2011	FY2012	FY2013	FY2014	FY2015
Activities Held	42	54	50	48	47
Participants	2,500	2,800	2,600	2,400	2,200

docomo Woods is a nature conservation program that aims to raise awareness of environmental conservation and volunteerism. It provides opportunities for employees and their family members to experience nature and participate in various forest maintenance activities such as clearing underbrush and cutting limbs. As of the end of March 2016, docomo Woods have been established in 49 locations in all 47 prefectures and cover roughly 190 hectares, which corresponds to an area of approximately 146 baseball fields (each with an area of 1.3 hectares). In addition, land blessed with rich nature can filter rainwater naturally and produces clean groundwater. To pass on the beautiful nature to the next generation, we intend to continue the program so as to contribute to the protection of the natural environment and biodiversity preservation.

*1 The corporate forest program is a system under which the Forestry Agency and private-sector companies plant and manage forestland and share income earned from harvesting the trees.

*2 The Green Fund raises money for preserving green spaces, improving forests, promoting tree planting and contributing to international afforestation projects.

*3 Programs established primarily by prefectural governments and prefectural tree planting promotion committees.



docomo Woods

Compliance with Environmental Laws and Regulations

● Compliance with Various Environmental Laws and Regulations

DOCOMO is committed to complying with prevailing environmental laws and regulations under its current EMS framework. Specifically, it endeavors to comply with environmental laws and regulations, including the Act on the Rational Use of Energy (Energy Conservation Act), the Act on the Promotion of Sorted Collection and Recycling of Containers and Packaging (Containers/Packaging Recycling Act), the Waste Management and Public Cleansing Act (Waste Management Act) and the Act for Rationalized Use and Proper Management of Fluorocarbons (Fluorocarbons Emission Control Law), as well as environment-related municipal ordinances, such as the Tokyo Metropolitan Government's mandatory reduction scheme, and other municipal ordinances related to global warming.

In fiscal 2015, there were no violations of environmental regulations.

Proper Management of PCB Waste

We are furthering proper waste management in accordance with regulations such as the Waste Management and Public Cleansing Act.

DOCOMO has voluntarily established the PCB Item Management Procedure Manual based on the Act on Special Measures concerning Promotion of Proper Treatment of PCB Wastes (PCB Special Measures Act) to guide its management of PCB. The manual stipulates items subject to storage and management, storage and management methods, storage locations, disposal methods, and emergency response procedures. Under the PCB Special Measures Act, companies that store PCB waste must dispose of it appropriately or contract or its disposal by March 2027.* In fiscal 2015, we disposed of some of the PCB that we had been storing and managing. At present, the NTT Group, including DOCOMO, is reviewing its disposal methods.

* The original July 2016 deadline was extended due to a revision of cabinet order in December 2012.

Green Procurement

Under the NTT Group Guidelines for Green Procurement, revised in January 2014, DOCOMO conducts green procurement to enhance sustainability in our procurement activities by selecting materials, parts and products that are safe and less harmful to the environment.

In green procurement, we focus on the following two assessments and classify matters into those that must be complied with and those that are required, which are reflected in the selection of new suppliers and the evaluation of existing ones.

(1) Development of an Environmental Management System (measures taken by suppliers)

Potential suppliers are assessed on whether they have an environmental policy as well as the structure and operation of their environmental management system.

(2) Reduced Environmental Impact Related to Products (product assessment)

We assess products to determine if the use of chemical substances complies with the treaties, laws, ordinances and other relevant regulations. During the product design stage, we also perform a product assessment to evaluate the environmental impact caused by the product in each stage of the product cycle, such as parts and material procurement, manufacturing, distribution, consumer use, recycle and disposal. We then make modifications to the design as necessary to reduce the environmental impact of the product. Particularly with new procurements, we request that our suppliers adhere to the RoHS Directive*, in addition to the above, and restrict the use of specified hazardous substances.

* The RoHS Directive is a European Union regulation banning the inclusion of harmful substances in electrical and electronic devices.

● Guidelines for Green Procurement



https://www.nttdocomo.co.jp/english/binary/pdf/corporate/procure/policy/csr_procurement/green.pdf

Environmental Accounting

DOCOMO uses environmental accounting to track the costs and benefits of its environmental protection initiatives and guide environmental management strategy.

Scope of Environmental Accounting

- **Period:** April 1, 2015 to March 31, 2016
- **Coverage:** 13 companies in the DOCOMO Group
- **Standards:** Ministry of Environment's Environmental Accounting Guidelines 2005 and DOCOMO Environmental Accounting Guidelines

● Environmental Protection Costs

(Million Yen)

Category	Major Transactions	FY2014		FY2015		YoY Change	
		Investment	Expense	Investment	Expense	Investment	Expense
(1) Internal business area costs		134	12,792	115	15,579	-19	2,787
(1)-1 Pollution prevention costs	Prevention of water contamination, proper PCB disposal	7	35	5	43	-2	8
(1)-2 Global environmental protection costs	Development and operation of an e-billing service, etc.	127	10,909	110	14,115	-17	3,206
(1)-3 Resource recycling costs	Reuse of dismantled communications facilities, etc.	0	1,849	0	1,421	0	-428
(2) Upstream/downstream costs	Recovery of used terminals, etc.	664	500	1,428	431	764	-70
(3) Management costs	ISO certification/renewal, etc.	14	2,066	9	2,091	-6	25
(4) R&D costs	Research on energy/resource efficient communications facilities, etc.	163	1,407	175	1,439	12	32
(5) Community Investments costs	docomo Woods and other tree planting initiatives, etc.	0	46	0	24	0	-22
(6) Restitution for environmental damage costs	Not applicable	0	0	0	0	0	0
Total		975	16,812	1,726	19,564	751	2,752

Totals may not be exact due to rounding.

● Environmental Protection Benefits

Benefits		Major Benefit Indicators			
		Category (unit)	FY2014	FY2015	YoY Change
(1) Benefits derived from internal business area costs	1. Benefits related to resources invested in business activities	Electricity usage (including CGS power) (1,000 kWh)	3,013,666	2,887,216	-126,450
		Paper usage (tons)	15,601	10,498	-5,103
		Paper reduced by e-billing (tons)	4,674	7,347	2,673
	2. Benefits related to environmental impacts and waste from business activities	Greenhouse gas reduction (tons-CO ₂)*	1,694,763	1,598,434	-96,329
Industrial waste reduction related to communications facilities and buildings (tons)		16,795	22,987	6,192	
(2) Benefits derived from upstream/downstream costs	Benefits related to goods/services produced by business activities	The number of used mobile phones, etc., collected (10,000 units)	1,198	1,088	-110

* Combined volume of CO₂ emissions by energy source and other greenhouse gas emissions
Totals may not be exact due to rounding.

● Economic and Practical Benefits of Environmental Protection Measures

(Million Yen)

Major Benefits		FY2014	FY2015	YoY Change
Revenues	Sales revenues associated with dismantling communications facilities and buildings	828	950	122
Cost Reductions	Reduced fuel costs from low-emission vehicles	13,897	11,779	-2,117
	Reduced purchasing costs from reuse of dismantled communications facilities	6,455	4,986	-1,469
Total		21,180	17,716	-3,465

Totals may not be exact due to rounding.